

THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER:
3617 CENTRAL (3 lines).

Established in
ENGLAND, 1859.]

Registered as a Newspaper.

Published Weekly at 42 CANNON STREET,
LONDON, E.C. 4.

TELEGRAPHIC ADDRESS:
"CHEMUS, CANNON, LONDON."
[Charged as two words only.]

Established in
[AUSTRALASIA, 1885.]

No. 1,966. Vol. LXXXIX.

SEPTEMBER 29, 1917.

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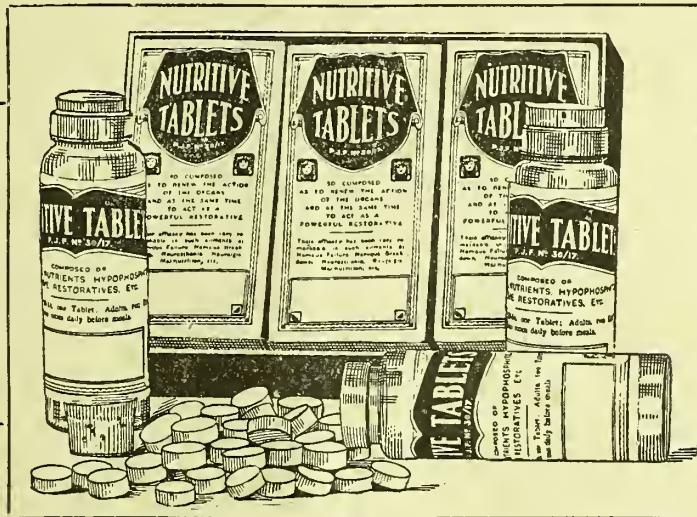
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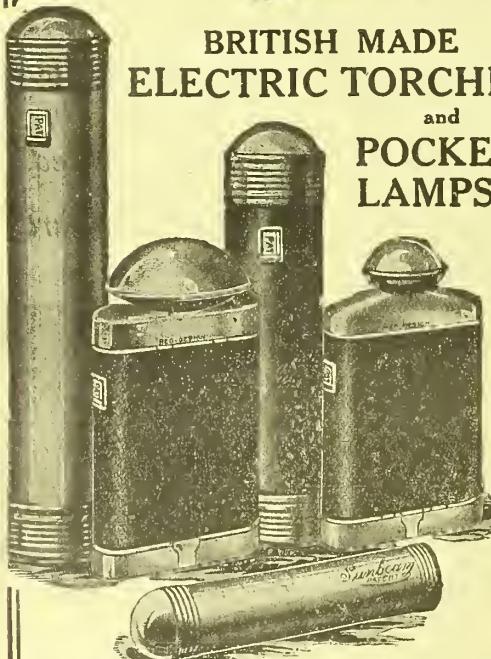
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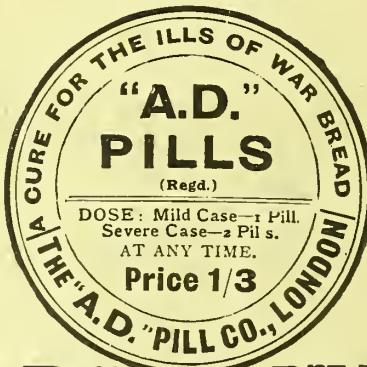
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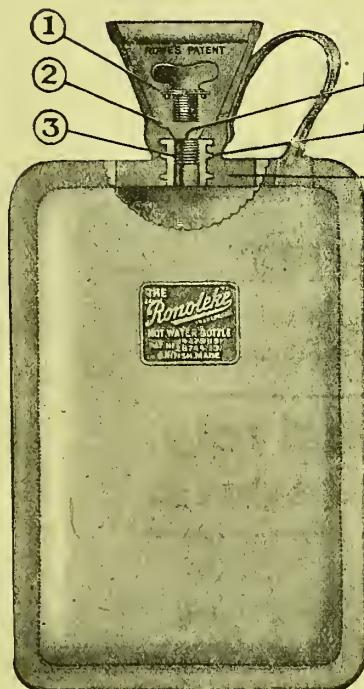
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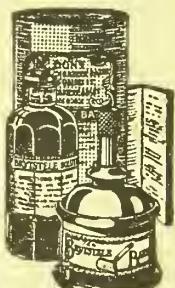
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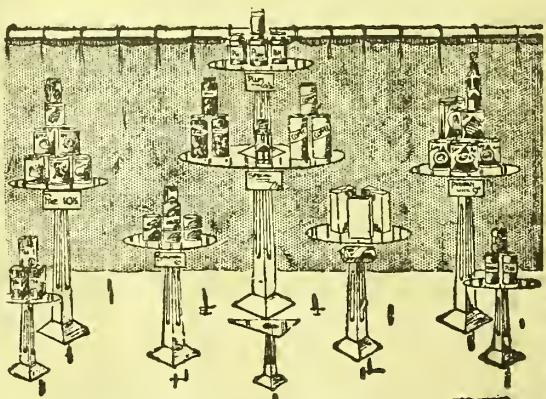
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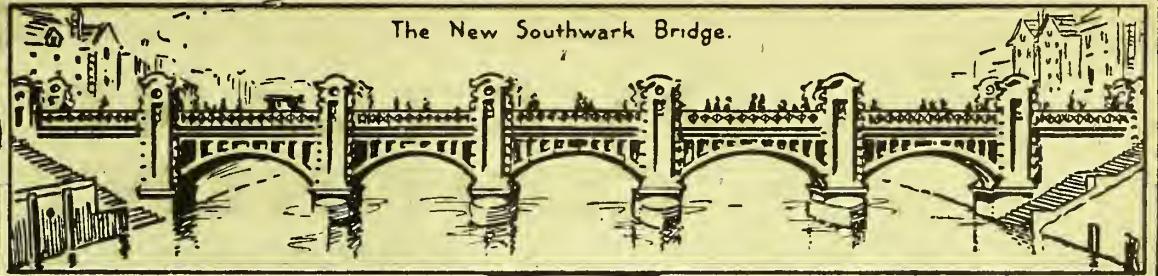


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Tannic Acid
Tannin Albuminate
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

R. W. Greeff & Co.

THAMES HOUSE, QUEEN ST.
PLACE, LONDON, E.C.

MANCHESTER BRANCH:
Lloyds Bank Buildings,
King Street.

NEW YORK AGENTS:
R. W. Greeff & Co.,
80, Maiden Lane.

BRIDGE
BRAND.

THAMES HOUSE.

BRIDGE
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LEP

OVERLAND TO THE CONTINENT

Via Lep Transport & Depository, Ltd.,
Castle St., Long Acre, London, W.C. 2.

Phone: Regent 5805 (7 Lines). Wires: "Depolep London."

And at Boulogne, Le Treport, Paris and Turin.



IF you have goods to deliver from any place in Great Britain to France, Italy, Spain, etc., send them by LEP TRANSPORT.

LEP TRANSPORT, by using the Channel Ports of Northern France, avoids the delays and risks of a long sea voyage and reduces cost of freight and insurance.

LEP TRANSPORT guarantees quickness, moderate charges and complete satisfaction.

Send us to-day particulars of goods, weight, destination, and dates ready for dispatch, and we will reply by return with estimate of inclusive charges.



"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal*, *Health*, *The Chemist and Druggist*, *Food and Sanitation*.

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

CASEIN

ALIMENTARY AND INDUSTRIAL

Dairy Produce Importers.

NIEUWHOF, SURIE & CO., LTD.

Office: 5 LLOYD'S AVENUE, LONDON, E.C.

Works & Warehouses: 9 ALDCATE AVENUE, LONDON, E.

TELEPHONES - - - AVENUE 34 & 35

TELEGRAMS - - - "SURICODON, LONDON."

A. MILLAR & CO., LTD., DUBLIN
PURE ORANGE WINE

(VITUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopoeia.

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

(Wholesale only)

STOVAINE

THE LEAST TOXIC OF LOCAL ANÆSTHETICS
USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches, nausea, vertigo or syncope. :: :: Literature on demand.

NO HOME OFFICE LICENSE REQUIRED

Cheaper than Novocain and Benzocain and obtainable promptly in practically unlimited quantities from the manufacturers:

LES ETABLISSEMENTS POULENC FRERES
— 92, RUE VIEILLE DU TEMPLE, PARIS. —

THEY MAKE YOUR DRAWINGS JUMP UP

THE LINE THAT CUSTOMERS ARE
ENTHUSIASTIC ABOUT

RED BAND

BISMUTHATED MAGNESIA

SOLD IN TWO SIZES.

3 D.	Cost 24/- per gross, carr. paid.	Cost 47/- per gross, carr. paid.	6 D.
------	--	--	------

ONE DOZEN BONUS TO EACH GROSS.
Neat Show Boxes. Powerful Showcards.

We solicit inquiries from Retailers for both lines.

WHOLESALEERS WANTED.
SPLENDID MARGIN GIVEN.

OUR NEW LINE.

A SKILFUL COMBINATION FOR THE
RELIEF OF RHEUMATISM, SCIATICA, &c.

“Natral Salts.”

THE POPULAR REMEDY.

PER $7\frac{1}{2}$ D. BOX.

COST YOU 4/6 PER DOZEN.
BONUS OF 12 BOXES PER GROSS.

Retailers declare it to be the smartest line
they have handled.

OUR SHOWCARDS ARE IT!

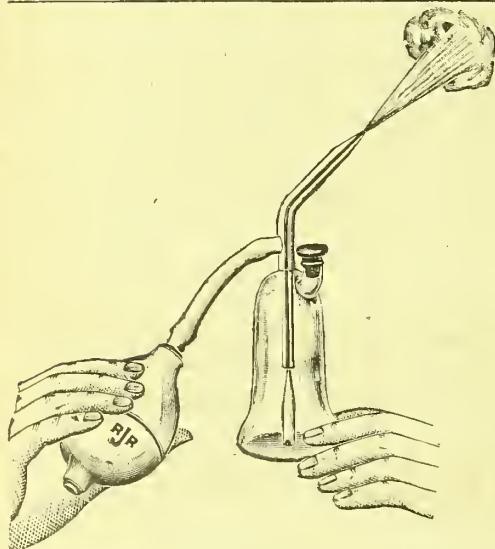
RED BAND CHEMICAL CO., 186 Dalry Road, EDINBURGH.

ENTIRELY BRITISH

All-Glass Sprays & Cloudizers

MANUFACTURED BY

R. J. REUTER, Manufacturer of & Dealer
in CHEMISTS' SUNDRIES,
69 CARTER LANE, E.C. 4.



"THE DELTA" (All-Glass).

Regd. No. 660087

(PATENT APPLIED FOR).

For Light Oils
or Aqueous Solutions.

TO BE USED WHERE A CONTINUOUS
DIRECT SPRAY IS INDICATED.

36/- DOZEN.

"THE PARVO" (All-Glass).

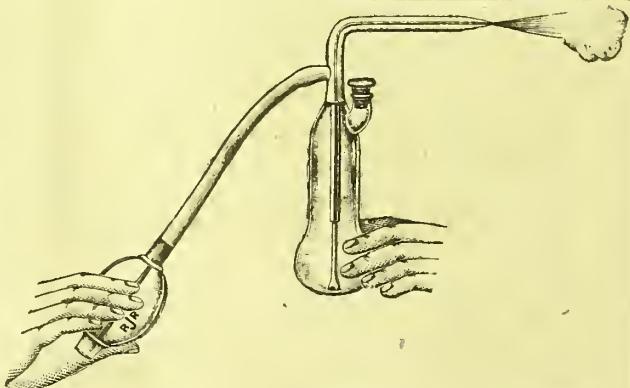
Regd. No. 661202

(PATENT APPLIED FOR).

Specially designed for use with
small quantities of either Oily
or Aqueous Solutions.

Its construction enables the last drop to be
vapourised, therefore the most economical for
expensive solutions.

36/- DOZEN.



The "DELTA" and "PARVO" SPRAYS are so constructed that **they can be carried in any position without leakage**, either through the Throat Tube or into the bellows.

THEY ARE THE ONLY SPRAYS where the discharge tube is fixed to the base of the Spray. This greatly adds to their strength and enables the last drop to be vapourised.

Additional Lines always in Stock.

No. 1. "ARISTON" CLOUDIZERS for Oily or Heavy aqueous solutions	... Dozen	30/-
No. 2. "ARISTON" CLOUDIZERS for producing a perfectly nebulous vapour	... "	36/-
The "ALPHA" ALL-GLASS THROAT SPRAY	... ... ...	30/-
The "OMEGA" ALL-GLASS SPRAY FOR THE NOSE	... ... ... "	30/-

TELEPHONE:
CITY 7
PRIVATE
BRANCH
EXCHANGE
—
TELEGRAMS:
ELEVEN
CENT
LONDON



S. MAW · SON & SONS LTD.
7/12 ALDERSGATE STREET
LONDON
ENGLAND

CABLES:
ELEVEN
LONDON
—
CODE:
A : B : C
4TH & 5TH
EDITION



MAWS Page.

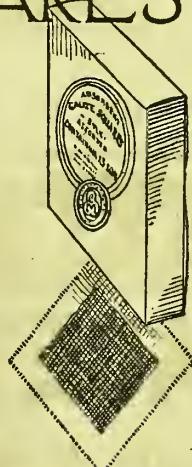
NUMBER 311.

SEPTEMBER 29, 1917.

MAWS Eugenic Feeding Bottle

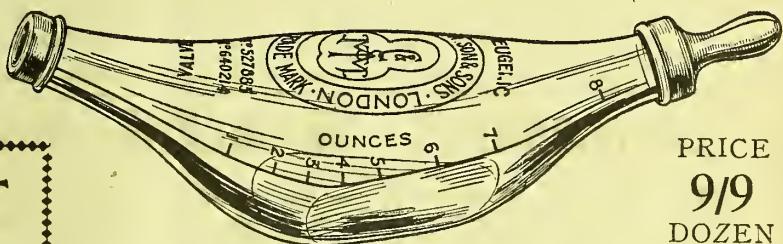
Baby's
Best
Bottle

ABSORBENT GAUZE SQUARES



is put up in an aseptic box, complete with non-splitting valve and teat and brush. When placed in position the valve and teat will not pull off.

A splendid cut-out stand to display one bottle is supplied free with orders.



PRICE
9/9
DOZEN

The centre of these Squares is composed of a triple layer of fibre, assuring quick absorption when applied to sores, cuts, and abrasions. Nurses find them invaluable for cleansing the eyes and mouths of infants.

These Squares also make splendid dental napkins.

Made in five sizes, and put up in quantities of 25 in strong litho. cartons.

Approximate Size.	Price per doz. Packets.
2 X 2	2/6
3 X 3	3/6
4 X 4	5/-
6 X 6	11/-
8 X 8	20/-

ALSO in packets, 25 assorted, 2 x 2, 3 x 3, 4 x 4, 3/9 per Dozen.

SPECIAL PRICES FOR PACKETS OF 100.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m.

CLOSE AT 1 p.m. SATURDAYS.

THE MINOR EXAMINATION.

Immediately a Student passes the Preliminary he should enter upon a Systematic Course of Instruction for the Minor by registering himself as a Student under

WILLS' UNIVERSAL POSTAL SYSTEM—Fee £1 1s.

Telephone: BRIXTON 1728.

There are Special Courses for the MAJOR, MINOR, PRELIMINARY and APOTHECARIES' HALL EXAMINATIONS, etc.

The following are extracts from three letters recently received:—

1. Students who wish to pass the Minor economically and quickly should follow my example, i.e., take Mr. Wills' Postal System, and then run up to the College for a short time to finish off. I did this and passed easily. I experienced no difficulty after the thorough systematic course I had been through under the postal.
2. I am writing to tell you how much I have appreciated your postal lessons. Sorry I cannot continue them as I have joined the Army. Should I return safely I will place myself again in your hands as I can see by the past it would be impossible to do better. Your lessons are a pleasure to read and very comprehensive.
3. You will be pleased to hear that I have passed the Irish Examination held this month. 30 candidates presented themselves and only 9 passed, and I am one of the fortunate ones. Thanks to your lessons, &c.

For Prospectus, Call, Write, or 'Phone The Principals, Westminster College, 190 Clapham Road, S.W.9.

AN EXCELLENT OPPORTUNITY FOR WOMEN.

British Optical Institute, Limited

FERN LODGE, 20a GROVE ROAD, BRIXTON, S.W. 9.

TECHNICAL INSTRUCTION IN OPTICS.

Day and Evening Classes during Term time, in preparation for all Optical Examinations, under the supervision of the Principal, assisted by Mr. H. Firth, F.B.O.A., F.S.M.C. (1st Prizeman). Well thought-out and successful Postal Courses for Provincial, Colonial and Foreign Students.

CLINIC, EXPERIMENTAL & LABORATORY WORK.

As Women are now needed in the Optical Profession to replace men called up on active service, special short Courses of Study, with abundant opportunities for practical work, are being held continuously at the Institute to fit women for an occupation so eminently suited to their capacities.

For further particulars and fully detailed Prospectus, apply to the Principal, Dr. MAX COQUE, B.Sc. (Telephone: Brixton 677.)

CHEMISTS' SHOPFITTINGS

WANTED.—Every Chemist requiring Shopfittings to send for my estimate; you can't do better. I shall be pleased to send you rough sketches free on receipt of particulars. Over 30 years' experience.

Glass Showcases, Drugfittings, Dispensing Screens, Window Enclosures, Glass Shelves, Wall Cases, Perfume Cases, Plate Glass Front Counters, Drawers, &c., at lowest prices.

NOTE ADDRESS—

GEORGE COOK,
The Chemists' Working Shopfitter,
29 MACCLESFIELD STREET, CITY RD., LONDON, E.C.

"Corruganza" SEAMLESS Ointment Boxes.

GREASEPROOF.

Better than the old Willow Boxes, because they are stamped out of one piece, and the bottoms cannot fall out.

MILLIONS SOLD ALREADY.

REPEAT ORDERS DAILY.

Send at once for Price List (Wholesale or Export only) to the Manufacturers—

HUGH STEVENSON & SONS, LTD., Summerstown, London, S.W. 17.

ALL CHEMISTS
SHOULD STOCK

ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Bailer. Big Profits. Over 40 Years' Reputation.
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 2 for 2½d.; Boxes of 13 Packets 1/3.
Wholesale Prices on application. Sample Box 1/3.
D. MCCLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

Headquarters
for

Photographics

Chemists should write us for PRICE LIST and full particulars of all Photo requisites.

W. BUTCHER & SONS, Ltd. **CAMERA HOUSE,**
FARRINGDON AV., E.C. 4.

NEW YORK PARIS MILAN TEL AMCOMCO FLEET LONDON

19 St. Brides Street. London. E.C.4

Established 1898.

THE AMERICAN COMMERCE CO. LTD

MANUFACTURERS and MERCHANTS

ASPIRIN
B.P. Crystals.

PHENACETIN
B.P.

SODIUM SALICYLATE

1917

We can deliver at once New 1917
**HIGHEST QUALITY NORWEGIAN
MEDICINAL NON-FREEZING**

COD LIVER OIL

PROMPT DELIVERY



LOWEST PRICES

REGISTERED TRADE MARK
ISAAC SPENCER & CO. (ABERDEEN) LTD. ABERDEEN

MECHANICAL DENTISTRY

Freeman Bros. WITHAM - HULL.

'Phone—CENTRAL 1290.

High-Class Work at Moderate Prices

**Reliable Staff under Personal Supervision.
Punctuality Guaranteed, & Best Materials.**



LIQ. SANTAL FLAV.
C. BUCHU et CUBEBA

(Hewlett's)

Price 11/- per lb. Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

VIROPHOS

TRADE MARK

Of proved utility in Nervous Diseases, and a Powerful Restorative for the Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value, enhanced by the presence of assimilable phosphates." *The Lancet.*

WHOLESALE PRICES:
No. 1. 1½ oz. Tin ... 9/- per dozen.
" 2. 3½ " " 14/6 " "
" 3. 6½ " " 24/- " "
" 4. 13 " " 42/- " "

Introduced and prepared only by

C. J. HEWLETT & SON, Ltd., Wholesale Druggists, 35-42 Charlotte St., LONDON, E.C. 2.

MIST. PEPSINAE CO.

C. BISMUTHO

(Hewlett's)

Price 11/- per lb. Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

British Medical Journal.

TRADE MARK

THE MOST ECONOMICAL INFANTS' FOOD.

FRAME FOOD

ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

"Prana" Sparklets.

NOTICE TO THE TRADE.

M ESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

AERATORS LTD.,

"Prana" Sparklet Works,
Upper Edmonton, N.

Mustard?

—Yes! Rigolot's Mustard Leaves for Plasters. The original and only genuine.

OF ALL CHEMISTS AND STORES IN
6d. & 1/- Packets and 1/6 Tins.

67 Southwark Bridge, London, S.E.

Do You Sell
Sister Lauras Food?



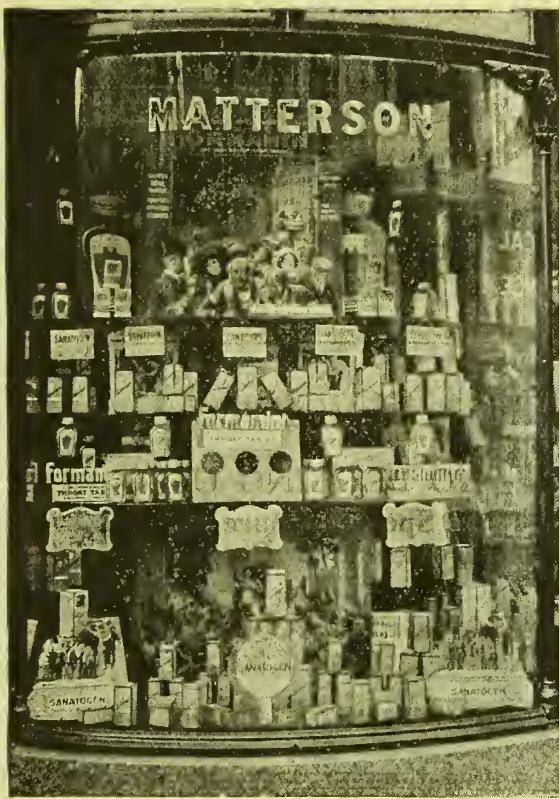
The question is often asked nowadays. The Chemist who does not stock Sister Lauras Food is missing a good line.

Sister Lauras Food is achieving great success as a preparation for weakly babies and for invalids and the aged.

It makes milk digestible and is invaluable in cases of malnutrition.

It is a thoroughly reliable line and one that brings a handsome return.

Samples and advertising matter free on application.
SISTER LAURAS INFANT FOOD CO., Ltd., 156 Vincent Street, GLASGOW.



"We are surprised at the wonderful return to favour of Sanatogen. For nearly four months we have had a very prominent display in our window, and even now we are giving it a somewhat reduced though effective show."

Messrs. Durbin's Drug Stores (Surbiton) Ltd.

"I find Sanatogen still sells very well, and better than the substitutes; so I intend to re-dress my window and give it a further show."

W. H. Goy, Esq., M.P.S., Clapham Common, S.W.

"I will spare my window in the best position. . . . Considering how well and easily the goods went, it will certainly be to our mutual advantage."

J. Griffith Isaac, Esq., M.P.S., Neath.

"Please send goods as soon as possible, as the window display is attracting much admiration from the public."

E. Winzer, Esq., M.P.S., Greenwich, S.E.

The Selling Power of Genatosan Window-Shows

"Now is the time to push really good, sound, honest proprietaries," said a pharmacist in the *Chemist and Druggist* recently.

Certainly no high-grade proprietaries are better worth pushing than Sanatogen and Formamint, and experience proves that the most effective way of pushing them is by means of special window-shows, such as the one depicted here.

If you have never tested the sales-promoting value of these window-shows, read the following typical letters from those who have.

It puts you to very little trouble and no expense to make a fortnight's trial of Genatosan window-shows.

Why not make that trial *now*—right at the beginning of our best season—and so prove for yourself the extraordinary selling-power that they possess?

Once you have done so, you will repeat the experiment frequently; for you will find that Genatosan window-shows *pay you handsomely*.

They pay you in two ways: in the first place by greatly stimulating the sale of our products; secondly, by causing customers to stop at your windows, and so reminding them to enter and make other purchases as well.

NOTE.—OUR AUTUMN ADVERTISING CAMPAIGN BEGINS THIS MONTH.

GENATOSAN LIMITED (The British Purchasers of the Sanatogen Company),

Chairman: LADY MACKWORTH.

12 CHENIES STREET, LONDON, W.C. 1.



Made from the real rich meat of selected West Indian Turtles—so that real Turtle Soup, once the privilege only of the rich, is now a delicacy easily accessible to every household. No other soup is so nourishing and delicious.

Made in a minute with boiling water.

To retail in 1/- Cartons containing 4 Cubes,

THE WATFORD
MFG. CO., LTD.,
Makers of
Freemans Table
Dainties Boisseliers
(Boy-sel-e-s) Chocolates
and Vi-Cocoa,
Victoria Wks. Watford

Freemans
READY SOUPS
Watford

LIQUID GLUCOSE

SO₂ Free.

NO BLUEING USED.

Specially pure for
Pharmaceutical Preparations.

THE
MANBRÉ SACCHARINE
Co., Ltd.,

HAMMERSMITH, LONDON, W.6.

HOOKER'S MALTED MILK

"A complete food." — Lancet.

SELLS ENTIRELY ON MERIT.

There is no Higher Quality or Better Value

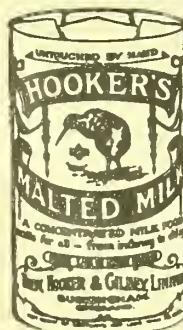
BRITISH MADE & BRITISH OWNED

DEMAND RAPIDLY INCREASING.

LARGE PROFITS TO SELLERS.

PRICES AND TERMS FROM

THEW, HOOKER & GILBEY, LTD., BUCKINGHAM.



**SAVE 3/- PER GALLON
BY BUYING
GUARANTEED GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
OF NEW SEASON'S MAKE.**

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

**CHIVERS'
CARPET SOAP**

CLEANS CARPETS LIKE NEW.

One Tablet will clean a large carpet.

*Wholesale Price List sent
on receipt of a postcard.*

F. CHIVERS & CO., Ltd.
67 Albany Works, BATH



Dinkie
Deodorant

DECOLTENE
The liquid hair remover

The intelligent depilatory.
Simple, safe and effective.
Pleasant and harmless. In-
valuable during the décolleté
vogue. Daintily packed.

Ask your wholesaler.

SATISFACTION GUARANTEED OR MONEY BACK.

TRADE TERMS.

DECOLTENE. Advertised 3/9
and min. Retail price

Trade 30/- per doz.

DINKIE. Advertised and 2/6
min. Retail price

Trade 20/- per doz.

An attractive line that
enjoys good sales. A grease-
less Cream, that takes the
odour out of perspiration.
Daintily packed in opal jars.

Both articles largely advertised.

5% cash with order.

Carriage paid on £1 lots.

Particulars on request.

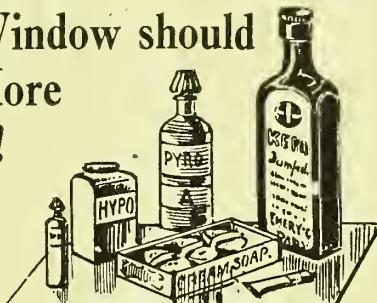
ROBARTES, LTD.,

128 JERMYN STREET,

LONDON, S.W.1

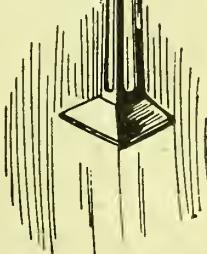
Telephone . . . Gerrard 3672.

Your Window should
Earn More
Money!



Since it is an axiom that well
displayed goods are half sold,
we can offer you 50 per cent.
increased efficiency.

Write to-day
for our leaflet
of sizes in
Pedestals and
Shelves.



Saml. HASKINS & Bros., Ltd.
~ 20-34 OLD ST., LONDON, E.C.1. ~

SAM^L LAMBERT & CO.,

14 MINCING LANE, LONDON, E.C.

Importers and Exporters.

First hands for all

Estd. 1870.

CRUDE DRUGS & ESSENTIAL OILS.

A few Specialities :—

ARABIC GUMS, CASCARA SAGRADA, ERGOT, CITRIC ACID, COD LIVER OIL, CREAM OF TARTAR, GLYCERIN, HONEYS, MESSINA ESSENCES, OLIVE OIL, PEPPERMINT OIL, QUININE, QUICK-SILVER, RHUBARB, SARSAPARILLA, SHELLAC, TURPENTINE.

Sole Agents for :

Oils: Lemon, Bergamot, Orange; Terpeneless Oils: Lemon, Bergamot, Orange.—*Fratelli de Pasquale & Co., Messina.*
Bay Rum and Bay Oil.—*Bornn, St. Thomas.*
Essential Oils, Drugs, Chemicals, &c.—*National Aniline & Chemical Co., New York.*

“LESCOL” FLORAL PERFUMES

NOTICE !

We strongly advise Chemists before purchasing their Christmas lines to send us particulars of their requirements, when one of our representatives will call with full set of samples when in their vicinity.

**WE ARE HOLDING A LARGE STOCK
AT REMUNERATIVE PRICES.**

LESCOL PERFUMERY CO.,

Lomond Grove, Camberwell Green,
LONDON, S.E. 5.

Telephone: 810 HOP.

Telegrams: "VANILLIN, CAMBER, LONDON."

“ALLEN'S”

GREEN

EXTRACTS, &c.

EXT. BELLADON. VIRIDE
 ” HYOSCYAMI VIRIDE
 ” BELLADON. SICCUM
 ” HYOSCYAMI SICCUM
 ” HYOSCYAMI (1st Year)
 ” TARAXACI

ARE PREPARED

From Herbs which grow on their own farms, and pass from the fields to the factory which they surround, with all their medicinal properties unimpaired by delays in transit.

“ALLEN'S EXTRACTS” ARE THE RESULT
 OF 80 YEARS' SKILL AND EXPERIENCE.

STAFFORD ALLEN & SONS,
 LIMITED,

Cowper Street and City Road,

LONDON, E.C. 2.

Telegrams:
 “Persic, Finsquare, London.”

Telephone:
 London Wall 6556 (3 lines).

TOOGOOD'S SHAMPOO POWDERS



EGYPTIAN HENNA SHAMPOO POWDER.

In boxes containing 7 Powders.
Superior Quality and Delicately
Perfumed,
10/6 per dozen boxes.



PINE, 7/6 doz.

PINE & HENNA,
8/9 doz.



PINE.

In Envelopes, 7 in box,
7/6 per dozen boxes.

PINE & HENNA.

In Envelopes, 7 in box,
8/9 per dozen boxes.

Customer's name free on 3 dozen boxes or bottles.

MANUFACTURED ONLY BY—

WILLIAM TOOGOOD, Ltd., 77 Southwark St., London, S.E. 1.

“FOLLOW THE FLAG.”

Why sell Newbery's Patriotic Tooth Powders?

BECAUSE

ROYAL STANDARD
UNION JACK
WHITE ENSIGN
ENTENTE

Sell readily and bring good repeats, and
attract the best class of customer to
your shop.

PER GROSS NET:
24/- and 40/-
Samples Free.

F. NEWBERY & SONS, LIMITED, Charterhouse Square, LONDON, E.C. 1.

From
END-TO-END
of the Kingdom:

SEMREH
BOTTLE CAPS

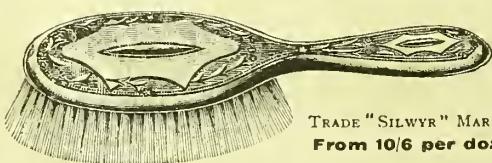
are saving time and
labour.

They are self-fixing.
Do you use them?

THE VISCOSÉ
Development Co., Limited,
BROMLEY, KENT



BRITISH MANUFACTURE.



TRADE "SILWYR" MARK.
From 10/6 per doz.

M. NEUHAFER & LEVI
INCORPORATED BRUSH FACTORIES.

Showrooms and Offices: 11 FORE STREET, LONDON, E.C.

Makers of "Silwyr" Brand of Hair, Cloth, Hat, Nail & Tooth
Brushes, etc., including Oxidized and Fancy Back Brushes.

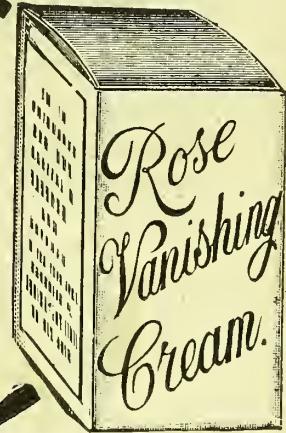
Are you looking after
and complexions?

WINDOW



**ROSE
VANISHING
CREAM**

your customers' hands
If so, at once put in a
SHOW of



It bears no maker's name, but we guarantee
it to do all that the best Vanishing Cream can
do. It is delightfully perfumed, well packed
and will keep its pearly lustre.

Price **78/-** per Gross.

2/3 per lb. in bulk.

HAZEL FOAM

same style and
price.

THE
Empire Perfumery
Co.,

Cuxson, Gerrard & Co., Ltd., Proprietors,

OLDBURY, Eng.

Dummies,
Showcards, and smart
Cut-outs supplied to make
your window fill the till.

**PETROLEUM
JELLIES**

White, Yellow, Amber and Red.

For Pharmaceutical and General Purposes.

AMERICAN SPIRITS OF TURPENTINE,
OLIVE, CASTOR, COLZA OILS,
ROSIN, and LUX BLOOMLESS MINERAL OILS.

James Arnott & Sons, Ltd.

Newcastle-on-Tyne and Cardiff.

Prompt delivery
from stock

Liquid Paraffin

B.P.

Without
Certificate

STERN'S LTD.,

Royal London House,
FINSBURY SQ., LONDON, E.C. 2.

STIPENDUM CORK STOPPERS

in
all sizes
suitable for
KALIS, CITRATES,
DISPENSING, and all
FLUIDS.

STIPENDUM

COVERED POTS

THE BEST FOR FACE AND TOOTH POWDERS
PASTES, AND OINTMENTS.

GREASE PROOF.

For Samples & particulars apply to

The
Stipendum Stopper Co.

1 Newman Street,
LONDON, W.
Tel. No. 3769
GERRARD.



Iron-mould—watch it vanish!
A rust-stain does not mean a catastrophe now. MOOVOL saves your blouses from the rag-bag, because it absolutely clears the stain away whilst you look. A touch, a gentle rub, a wait of two minutes and the stain is

MOOVOL
Removes 'Iron-mould,' Rust,
Fruit and Ink Stains
A Thimbleful in the rinsing water removes the YELLOW
TINGE from linen. Send 1s. 2d.
for a sample at once.
EDGE'S, Bolton, Lancs.
Sold by chemists, ironmongers,
etc. In 6d. and 1s. tubes

You Reap the Profits!

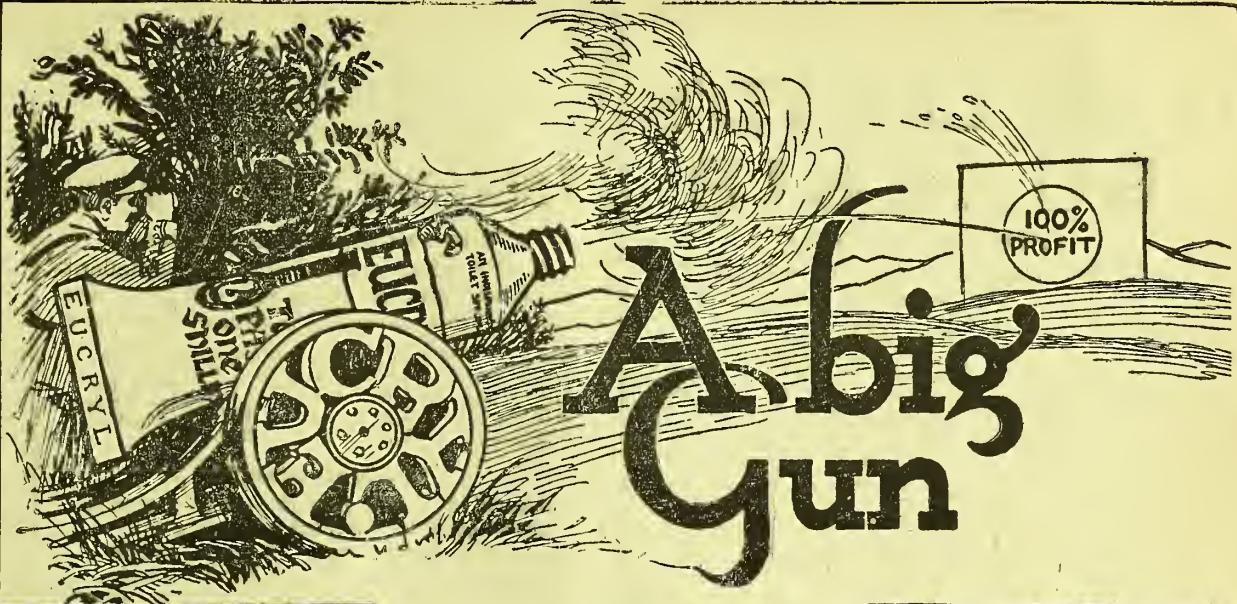
The above is only one of the many forceful advertisements now appearing in the most influential National publications and Fashion periodicals telling housewives that Iron-mould is no longer immovable. Moovol contains no injurious acids and is not harmful to the most delicate fabric.

ARE YOU PARTICIPATING IN THE PROFITS?
Send a P.C. for trial stock and display material to

WM. EDGE & SONS, LTD.,

BOLTON, LANCS.

(THE DRUMMER DYE PEOPLE.)



A big gun

that hits the 100% profit mark with every sale. There is no filling-up-your-shelves-and-trusting-to-luck-sort-of-business when selling

EUCRYL TOOTH PASTE

It hits the bull's-eye every time. Every customer you make will induce others to use this delightful paste. Recommendation means increased sales, and sales at 100% profit are what will pay your rent. Send us an order for a parcel of EUCRYL TOOTH PASTE, give it a prominent position on your counter and watch the pile diminish—it will surprise and gratify you, and 100% profit, remember, every time a tube is sold.

Fill in Coupon attached and make *real* profits.

EUCRYL LIMITED
61-63 LANT STREET,
SOUTHWARK, S.E.1

COUPON

Please send 3 doz. 1/ tubes Eucryl Tooth Paste @ 8/- doz. net, carriage paid, with 1 doz. free bonus for prominent display.

Name _____

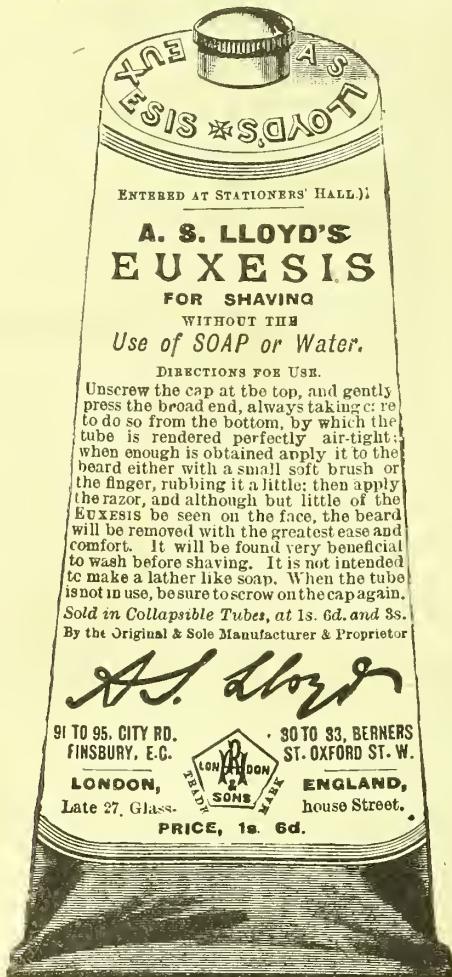
Address _____

To EUCRYL Ltd. Southwark, S.E.1.

A. S. LLOYD'S EUXESIS

(THE GENUINE.)

For Shaving without Soap, Water or Brush.



Sold by all Perfumers and Chemists throughout the World.

R. HOVENDEN & SONS having purchased, under an administration suit, the Business of the late A. S. LLOYD, with the Receipt, Trade-mark, and Goodwill of the celebrated EUXESIS, the Trade are cautioned that the original and genuine EUXESIS is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses at the following prices :

10/- per dozen ; 9/9 by the 6 dozen.
Retail at 1/6 the Tube; 3/- size to order.

NOTICE.—THE GENUINE A. S. LLOYD'S EUXESIS bears a label printed in BLACK only on a Yellow ground, with our Trade Mark at the bottom, as illustration.

Proprietors: R. HOVENDEN & SONS, LTD., LONDON : 29-33 Berners Street, W. ; and 89-95 City Road, E.O.

OVER 100 % PROFIT
ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.
1/-	1/-	7/6
1/6	1/6	9/-
2/6	2/3	15/-
3/6	3/3	21/-

per doz.
less 5 %
discount

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN, LTD.
DEVON WHARF,
Emmott Street, Mile End, London, E. 1.

TINFOIL PURE TIN (Free from Lead).

All Thicknesses, Sizes, Shapes, and Designs
for the Wrapping of

DRUGS, CHEMICALS,
PLASTERS, BANDAGES,
AND SANITARY APPLIANCES.

BOTTLING FOILS.
SHAVING SOAPS FOILS

(Designed and Perforated).

TOILET SOAPS FOILS,
AND FOILS FOR COMPRESSED
TABLETS OF FOODSTUFFS,
DRUGS, PILLS, LOZENGES, &c.

CHOCOLATE (Embossed or Printed).

Also in REELS for WRAPPING MACHINES
and

LEAD & COMPOSITION FOILS
for special Chemical Wrapping.

H. ERHARDT & CO. Ltd.

9 & 10 Bond Court, Walbrook,
LONDON, E.C.

Established 1870. Telephones 283 and 284 City.
Telegrams, "ERHARDT LONDON".

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on GENUINE EUXESIS bear two signatures—
A. S. Lloyd in Black Ink, and that of his Widow,
Aimée Lloyd, in RED. Refuse any other.

*Sole Manufacturers and
Proprietors:*

AIMÉE LLOYD & CO.
23 PANTON STREET (formerly named Spur Street),
HAYMARKET, LONDON, S.W.

N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL

INVITE the Trade to take up the following valuable
P.A.T.A. Protected Lines, bearing a large Protected
Retail Profit, which sell freely and are well known
and valued by the Public in many parts of the country.

	P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT	(well advertised), tins.	7½d.	5/6
"	"	1/2	10/-
"	bottles in	1/6	12/-

■ *Losall's Salt sells so well, surely it
must pay Pharmacists to stock such
a large profit-bearing protected line. ■

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, } 13/6 per dozen
especially suitable for use in Eczema boxes net.

Chemists requiring effective advertising matter for
Losall's Salt, &c., will, on application direct to
Lofthouse & Saltmer, receive a liberal supply of
Dummies, Showcards, Window Slips, Price Tickets,
&c., Carriage Paid, whether or no they have an
account open with the Firm.

BRITISH NOW



Send for
Price List and
Trading Terms.

ODOL
Chemical Works,
BERKHAMSTED.

C.V. & S.-S.

ADEPS LANÆ B.P.

“EMPIRE
BRAND”

BRITISH LANOLINE—HYDROUS & ANHYDROUS.

NOTHING FINER ON THE MARKET.

SAMPLES AND QUOTATIONS UPON APPLICATION.

THE BRITISH LANOLINE COMPANY

20 ASFORDBY ST., LEICESTER.

(Howard Lloyd & Co., Ltd.)

METHYLATED SPIRIT

OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.

Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

Two of the World's Face Powders.

POPULAR
EVERWHERE.

BOURJOIS'

Eyebrow Pencils,
Rouges, Perfumes,
Soaps, etc.,
always command a ready sale.



Bourjois' Java Powder.
Price 9/5 doz.; 12 doz. 8/10. P.A.T.A. 1/- per box.



Bourjois' Poudre Manon Lescaut.
Price 25/1 per doz. P.A.T.A. 2/9 per box.

SOLID FACE POWDER (Poudre Compacte)

BOURJOIS of PARIS is the POWDER HOUSE.

Our Solid Powder, with Puff, No. 65, IS THE BEST.

Made in Seven Tints. Rose, Naturelle, Rachel, Blanche, Rosette Brun, Ocree, and Mauve. 7/7 per doz.
DO NOT BE MISLED BY BUYING CHEAP AND WORTHLESS IMITATIONS OF THIS ARTICLE.

HENRY C. QUELCH & CO., 4 & 5 Ludgate Square, LONDON, E.C. 4.

"EVERSAFE" TESTIMONY FROM EVERYWHERE

Herewith we print a few testimonials—all unsolicited—selected from a bundle of over thirty recently received.

FROM RETAILERS.

Duberly & White, Luton.

"We are refusing bosts of customers daily requiring the famous pacifiers."

W. T. Fuge, High Wycombe.

"Please do send me some jelly-filled 'Eversafe' soothers. Having got a good connection for same I am losing it by having now to sell some ordinary ones which customers do not like. Send a few if you cannot send more."

Barron's Drug Co., Greenwich.

"We are now venturing to hope that you may be able to send us a card or two of your 'Eversafe' jelly soothers, i.e. a card or two of each size, as our customers keep anxiously inquiring for them and our little clients refuse to be comforted without them. Hoping now to receive a supply in order to render the local atmosphere a little more peaceful."

H. Wakelin, Coventry.

"Respecting 'Eversafe' Solid Soothers we are anxious to save our soother trade. It is such a pity that we now have this line worked so well in this neighbourhood for us to have to lose it. Please do something for us, and oblige."

Pearson, Woolston.

"Losing hundreds of sales through having no 'Eversafe' Soothers."

C. B. Abernethy & Sons, Belfast.
 "We have been getting your 'Eversafe' soothers through the wholesalers here and have secured a good demand for same. They now tell us it is impossible to get them; is this so, or is it a move to push something else. These teats give such great satisfaction that we would not like to drop them."

F. Jacks, Stone.

"Won't you do me a turn by sending immediately, per Sutton, 1 gross 2d, 'Eversafe' Soothers—or as many as you can spare—losing customers daily."

Robert Tocher, Greenhithe.

"I have been trying to get decent baby soothers for three months without success. I have tried several sundries' houses and can get nothing better than the poorest of all 2d. soothers I have ever seen. When in Glasgow I always kept a good stock and sold a lot of your 'Eversafe.' Not being able to secure these teats I have been losing all that kind and kindred business for three months. Will you please send me two or three cards of the 'Eversafe' teats."

J. B. Braid, Exmouth.

"The babes of Exmouth are a-weeping for their dum-dums."

Hopwoods, Ltd., Liverpool.

"We have lost the sale of grosses of gelatine dummies through being out of stock. We have always stocked your dummies and have a big sale."

M. McDonald, Belfast.

"Thanks for sample pacifier received. My wife got one in Strabane some time ago and since that she and the baby will use nothing else."

FROM, WHOLESALERS & EXPORTERS.

Bourne, Johnson & Latimer, Ltd., London.

"Can you let us have that 12 gross of Gelatine Soothers on order? We want them badly."

Oppenheimer, Seckel & Co., Ltd., London.

"The baby teethers sent to me invoice £1 17s. 11d.; it is a mystery to me that the most expensive article is charged at the lowest price, namely solid teether No. 2, their reference No. 3442. This teether No. 2 is filled with jelly, and the price of

17s. 3d. per gross seems marvellous. To make quite sure that suppliers have not made a mistake in numbering the goods, I am sending you a sample of No. 2 teether. If this sample really tallies with the price of 17s. 3d., plus 10 per cent., you can order a regular delivery of 10 gross per month until further notice. Of course the teats must be filled with jelly; I do not mind if two or three dozen are on card, and would rather prefer this as freight works out cheaper. At the same time, please ask suppliers to make sure whether they have really sent 2 gross of this article, because so far I have only received two dozen!"

FROM ABROAD.

Transvaal Rubber Co., Johannesburg.

(Excerpt from P. Wood's letter). "This firm informs me that they have to-day received 9 gross 'Eversafe' soothers from your good selves, and they cleared all these out inside two hours."

Geo. Bacon & Co., Uitenhage, Cape Province.

"'Eversafe' soothers—we cannot do without them, the sale of same being so great."

Rankin's Pharmacy, Potchefstroom, Transvaal.

"I have at last managed to find time to write and acknowledge receipt of your goods. These goods have opened up very nicely and are selling very well."

L. Eastmead, Port Elizabeth.

"The latter ('Eversafe' Soothers) I have always found to be O.K."

M. Palomo, San Salvador.

"Chupadores es mucha la demanda actual de los mismos."

F. Schutze & Co. LTD., MARKET RD., LONDON, N.

“VASELINE” AND RELIABILITY

“VASELINE” when used in Ointments contains more of the desired elements necessary for a universal base than any other known substance. It has emollient, antiseptic, healing and protective qualities in itself, is not easily acted on by chemicals, and, where properly protected from air and light, does not change. Also, when incorporated with other medicaments, they are not injured by the action of the base. These conditions have long been recognised by the leading Physicians, Surgeons and Pharmacists throughout the world. Animal and vegetable fats, on the other hand, are subject to change, forming various compounds, which destroy the end for which they were intended.

“Vaseline” is the Registered Trade Mark of the
**CHESEBROUGH MANUFACTURING
COMPANY (Consolidated)
42 Holborn Viaduct, London, E.C.**

Complete Price List of all the “Vaseline” Preparations will be sent post free on application

LABORATORY
OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.

LONDON AGENTS:
WILCOX, JOZEAU & CO., 49, Haymarket, S.W.

CHAPOTEAUT'S
CAPSULES of
PHOSPHOGLYCERATE
of LIME.

THE BEST TONIC FOR
FORTIFYING AND BUILDING UP
THE NERVOUS SYSTEM.

Sold by all Chemists
Wholesale: 8, Rue Vivienne,
PARIS.

MORREHUOL CHAPOTEAUT



CAPSULES

MORREHUOL DE CHAPOTEAUT
is extracted from cod-liver oil, and
contains all its efficacious proper-
ties without the disagreeable taste.

It cures Coughs, Bronchitis and Catarrh,
restores the appetite, and gives force to
feeble persons.

SOLD BY ALL DRUGGISTS.

CHANDRON'S
DROPS

(Gouttes des Colonies)

A harmless antiseptic
preventative against CHOLERA
FERMENTATION - INDIGESTION
Other intestinal disturbances.

SOLD BY ALL CHEMISTS



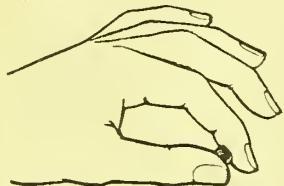
I find the odour excellent and
will be charmed to have healed
by my name. Truly sincerely
MARY GARDEN

PARFUM
MARY GARDEN
RIGAUD
PARFUMEUR
16, RUE DE LA PAIX
PARIS

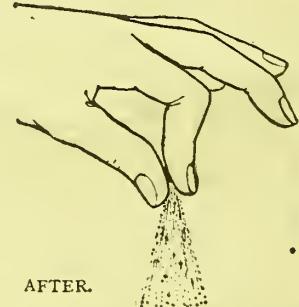
LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

The "PULVERETTE"

Patent Powder Pills.



BEFORE.



AFTER.

A
CONTRAST

BETWEEN

Compressed PILLS

Ingredients massed to a stiff paste, rolled and rounded; when dry as hard as iron.

Result: 235 out of 324 pills administered found in the faeces.

B.M.J., 1913.

TABLETS

Ingredients mixed, and with the addition of talc and a lubricant subjected to intense pressure.

Result: Disintegration slow and irregular, often impossible; ineffective or cumulative, with consequent irritation and toxic dosage.

Moulded PULVERETTES

Ingredients thoroughly mixed *without any addition whatever*; enclosed in a *soluble*, easily friable chocolate shell; *uncompressed*.

Result: Immediate disintegration, regular absorption, certain and complete therapeutic action.

Six Things Worth Remembering:

1. PULVERETTES are MOULDED, not COMPRESSED; are made in any shape, size or colour.
2. Only the finest drugs are to be found so prepared.
3. Private formulæ are manufactured in quantities of 2000 or more.
4. PULVERETTES succeed in regular action where tablets and pills fail.
5. Prices are approximately equal to pills and tablets.
6. All medicaments possible to pills are obtainable as PULVERETTES.

Send for Samples and Prices to the Patentees:

OPPENHEIMER, SON & CO., LTD.

179 QUEEN VICTORIA STREET, LONDON, E.C. 4.

Which quality Aspirin do your customers expect?

The very purest and most reliable, naturally—and you know that you cannot afford to supply any other. The quality of your Aspirin will be unimpeachable if you sell

“TABLOID”[®] BRAND (Trade Mark)

ASPIRIN

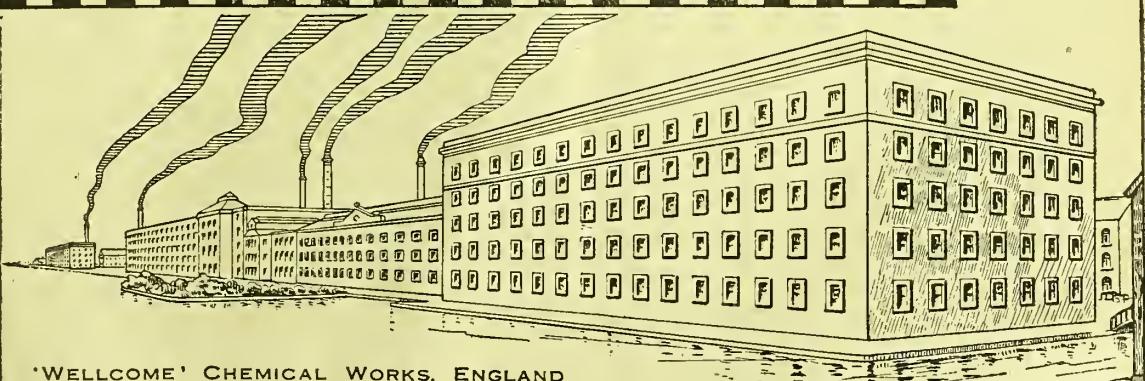
BECAUSE it is prepared from acetylsalicylic acid of the highest possible purity.

BECAUSE it contains the stated weight of pure medicament and is absolutely free from talc and boric acid.

*Supplied as follow: gr. 5 bottles of 25 16/-; bottles of 100 48/-;
2.5 gm. bottles of 25, 24/-; bottles of 100, 72/- per dozen bottles, subject*



BURROUGHS WELLCOME & CO., LONDON





Winter Specialities

EMULSION OF
COD LIVER OIL
(7 Styles)

FINEST COD LIVER OIL
(4 Styles)

Write for season's quotations, and for specimens if desired.

READY FOR
RETAIL.

EXTRACT OF MALT
WITH OR WITHOUT
COD LIVER OIL
(11 Styles)

EMULSION OF PETROLEUM
(3 Styles)

• THE BRITISH DRUG HOUSES LTD.
• Graham St., City Rd., London, N



A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.

ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

SUBSCRIPTION RATES.

Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6d.; Summer or Winter Number, 1s.; Diary 3s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12s. 6d., franco.

Подлинная цена на ежемесячный журнал с приложением Годового Дневника—12 шиллингов 6 пенсов на год съ персыкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C. 4.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Wills.

MR. CHARLES CHARNLEY, 44 Liverpool Road, Birkdale, retired chemist and druggist, who died on July 13, left property of the value of 11,638*l.* 3*s.* 9*d.*, including personality of the net value of 10,530*l.* 4*s.* 11*d.*

MR. SILVAIN DREYFUS, Thorncliffe Villa, Windmill Lane, Denton, a partner in the Hooley Hill Chemical and Rubber Co., who lost his life in the Ashton explosion on June 13, left estate of the gross value of 7,269*l.* 12*s.* 6*d.*, of which 2,181*l.* 3*s.* 1*d.* is net personality.

MR. JOHN DURANT, Rock Lodge, Southville, Bedminster, Bristol, retired manufacturing chemist, who died July 11, left estate of the gross value of 15,370*l.* 3*s.* 8*d.*, of which 11,341*l.* 2*s.* 10*d.* is net personality. He left his ordinary shares in J. Durant, Ltd., to his sons Reginald and Leonard in equal moieties.

EARLIER CLOSING FOR PRESS.—Will intending advertisers please note that until further notice all advertisements for THE CHEMIST AND DRUGGIST Coloured Supplement must be in the Publisher's hands not later than FIRST POST THURSDAY MORNING, to be available for the issue published in that particular week? Owing to restricted postal deliveries it is advisable to post all communications on the Tuesday preceding the date of issue.

European War News.

Export Notice.

JAPAN.—Sulphate of ammonia, superphosphate of lime, compound fertilisers containing sulphate of ammonia, superphosphate of lime, or nitrate of soda, can now only be exported from Japan under licence.

Glass and Glassware Order.

The Orders of the Minister of Munitions dated January 2 and March 23, 1917, have been cancelled, and a new Order made, dated September 19, which includes and extends the requirements of the previous Orders. The definition clause of the Order is as follows:

"For the purposes of this Order the expression 'glass and glassware' shall include all kinds of glass or glassware made at the furnace, in the blow-pipe flame, or by any other process, or any of them; and the expression 'chemical and medical glass' shall include 'resistanee', 'chemical', and 'bacteriological' glassware, carbboys, thermometers, miners' safety-lamp glasses, x-ray tubes and valves, and glass for x-ray apparatus, artificial glass eyes, hospital glassware and glass vessels (graduated or otherwise) manufactured for the purpose of containing reagents, drugs, medicines, pharmaceutical or biological substances or preparations, or any of them; and the expression 'electric-lamp glass' shall include all glass used or intended for use in the manufacture of electric lamps, except glass used or intended for use in lamp-caps for insulating-purposes, but shall not include glass shades and similar accessories; and the expression 'glass tubing and rod' shall include all glass tubing and glass rod made by the process of drawing, or either of them."

All applications for licences should be made to the Director of Glassware Supply, Ministry of Munitions of War, 117 Piccadilly, London, W. 1. (See *C. & D.*, January 13, p. 33.)

Calcium Carbide Controlled.

The Minister of Munitions has taken possession of all calcium carbide in the United Kingdom except the stocks of persons who do not own more than 56 lb. If any person having control of any such calcium carbide, without the consent of the Minister of Munitions, sells, removes, secretes, or deals with it in any way contrary to any conditions imposed in any permit that may have been granted in respect thereof he will be guilty of an offence against the Defence of the Realm Regulations. No person shall, except for the purpose of carrying out an existing contract, buy, sell, or supply, or enter into any transaction or negotiation in relation to the sale or purchase of calcium carbide situated outside the United Kingdom, except under a permit issued by the Minister of Munitions. Dealing, or offering to deal, in calcium carbide situated in the United Kingdom except under a permit is also prohibited. It is provided that all persons shall within seven days from the first day of each month, commencing in October, send to the Controller of Non-Ferrous Materials Supply, AM2/H, Hotel Victoria, Northumberland Avenue, London, W.C. 2, monthly returns of (a) all calcium carbide held by them on the last day of the preceding month; (b) all calcium carbide purchased or sold by them for future delivery and not yet delivered on such last day; (c) all calcium carbide delivered to them during the preceding month. No return is required from any person where the total stock of calcium carbide in hand, and on order for future delivery to him, has not at any time during the preceding month exceeded 2 cwt. All applications in reference to the order are to be made to the Controller of Non-Ferrous Materials Supply at the above address, and marked "Calcium Carbide."

State Control of Sugar.

A White Paper has been issued showing the operations of the Royal Commission on the Sugar-supply from the date of its appointment to the beginning of December. The Report was submitted on December 22, just after the change of Government, and the Commissioners remark, incidentally, that "it would be no serious privation if the domestic consumption of sugar were to be limited to $\frac{3}{4}$ lb. per head per week of the population." To provide this allowance for the whole civil population of the United Kingdom would not require more than a weekly issue of 14,000 tons, whereas the weekly issue through the Sugar Commission had, during the period of greatest restriction, never averaged less than 24,000 tons per week up to the end of last year, this leaving an ample margin for the supply of the naval and military forces, and for manufacturing-purposes. It was not until the early part of 1916 that reduction in supplies, rendered necessary by exigencies of tonnage and of exchange, became appreciable. "Even so," it is remarked, "the inconvenience and disturbance of the public mind resulting from the reduction itself would be justified, if it could have been evenly distributed over the whole community." Regarding the arrangements made to control the prices charged to the public, the

Commission is satisfied that with all the principal wholesale dealers the condition limiting their profits has been loyally observed. "Whether it has always been so by the smaller class of dealer, intermediate between the first purchasers and retailers, is more than doubtful," it is added. What the effect of peace will be on prices it is impossible to predict, but there is, says the Report, at least the possibility that it will be followed by a fall in the price of sugar, and some loss may have to be met on such stocks as the Commission may then have on hand.

Personalia.

LIEUTENANT H. S. KUTNOW, son of Mr. Sigismund Kutnow, and assistant managing director of S. Kutnow & Co., Ltd., is now in France.

CORPORAL JOHN SPRUCE, East Lancashire Regiment, a pre-war employé of Joseph Crosfield & Sons, Ltd., Warrington, has been wounded a second time.

PRIVATE ROBERT BLAKE, London Regiment, has been severely wounded. Prior to enlistment he was for several years with Parke's Drug Stores, Ltd.

PRIVATE HAROLD HINCHLIFFE, West Yorkshire Regiment, who is in hospital, was formerly on the staff of Goodall, Backhouse & Co., wholesale druggists, Leeds.

LANCE-CORPORAL JOSEPH HARRIS, South Lancashire Regiment, has been dangerously wounded. He enlisted from the staff of Joseph Crosfield & Sons, Ltd., Warrington.

MAJOR C. W. COCHRAN, Army Service Corps, who prior to the war was a teacher of chemistry at the Technical College, Dundee, has been advanced to lieutenant-colonel.

RIFLEMAN F. E. WILLIAMSON has been severely wounded, and is in hospital in England. In pre-war days Rifleman Williamson represented A. Browne, Ltd., druggists' sun-driesmen, Leicester.

MR. DONALD SIMINSON, eldest son of Mr. A. H. Siminson, chemist and druggist, High Street, St. Lawrence, Ramsgate, has passed from the cadet corps at Ramsgate County School, in which he was a sergeant, to the Artists' Rifles.

PRIVATE J. J. SHALLCROSS, King's (Liverpool Regiment), has been awarded the Military Medal for gallantry and devotion to duty. Prior to the war Private Shallcross was on the laboratory staff of Evans Sons Lescher & Webb, Ltd., Liverpool.

SECOND-LIEUTENANT PALEY, who was recently gazetted, has returned to the Front after being home on leave. Second-Lieutenant Paley, after two years' training in pharmacy with his elder brother, Mr. J. Paley, chemist and druggist, Fairfield, Liverpool, entered the surgical-instrument room of Ayrton, Saunders & Co., Ltd., and joined the Forces on the outbreak of war.

SQUADRON-COMMANDER K. S. SAVORY, D.S.O., R.N.A.S., son of Mr. Arthur L. Savory, Ph.C., chairman of Savory & Moore, Ltd., has been awarded a bar to the D.S.O. Squadron-Commander Savory was in charge of the aerial fleet a member of which, Flight-Lieutenant Henry McClelland, has since been decorated (see *C. & D.*, September 8, p. 34), and, as its commander, paid his second visit to Constantinople, where last year he won the D.S.O. and was also given the French Croix de Guerre with palm.

Miscellaneous.

ENEMY PATENTS.—British Dyes, Ltd., Huddersfield, are applying for licence to use thirteen patents for dyes belonging to the Chemische Fabrik Griesheim-Elektron. The hearings will take place at the Patent Office Court on October 11.

CONTROL OF ACETIC ACID.—It is announced that Regulation 30A of the Defence of the Realm Regulations shall include as war material glacial acetic acid and acetic acid of 60-per-cent. purity and over. Inquiries regarding this Order should be addressed to the Director, Chemical Section, Trench Warfare Supply Department, King Charles Street, Westminster, S.W. 1.

GERMAN BIOLOGICAL PRODUCTS.—The Government of the United States has revoked the licences to sell in the United States the biological products of the following German manufacturers: Chemische Fabrik auf Actien, Berlin; Meister, Lucius & Brüning; Behringwerk, Marburg; E. Merck; Kalle & Co.; Pharmaceutisches Institut Ludwig Wilhelm Ganz; Chemische Fabrik Gustrow.

SHIBAKAWA & CO., LTD., Japanese importers and exporters, have removed to new premises at 6 Lloyd's Avenue, London, E.C. 3.

T. E. BURKE & CO., merchants, have under a deed of assignment purchased from the Controller appointed by the Board of Trade the business of G. Herbst, indigo and gum import and export merchant, which business they have amalgamated with their own at 30 Fenchurch Street, E.C. 3.

Military Tribunals' Decisions.

SINCE OUR LAST ISSUE the following decisions have been notified:

BERMONSEY.—Mr. A. D. Chester, of A. D. Chester & Co., Ltd., chemical-manufacturers, 181 Drummond Road, attended to make an explanation with reference to certain comments which had been made on his case (see *C. & D.*, September 15, p. 34, and September 22, p. 34). Mr. Chester protested against the statements that he obtained his trade protection-certificate by "the gift of the gab," and also that he was a "glorified commercial traveller." He started this business in 1908, and was the principal shareholder in it, having all his money invested in the company. He employed five persons, and could employ more, but it is difficult to get men. The Military Representative cross-examined Mr. Chester at considerable length regarding a statement that the men were employed by E. A. Spencer, Ltd., manufacturing chemists, at the same address; but Mr. Chester explained that the men are his employés, although their wages are paid by Mr. Spencer through a mutual arrangement. The Military Representative said that, after hearing Mr. Chester, it confirmed his opinion regarding the final period of exemption. The Tribunal agreed, and Mr. Chester then withdrew.

BEXHILL-ON-SEA.—Mr. E. T. Hayball, chemist and druggist, Lion Drug Stores, was granted six months' exemption on condition that his certificate from the Insurance Committee was produced.—The case of Mr. W. E. Scholefield, chemist and druggist, St. Leonard's Road, was adjourned for the opinion of the Insurance Commissioners as to his indispensability.

BRIGHTLINGSEA.—Conditional exemption was granted to Mr. Philip G. Curtis, chemist and druggist, Victoria Place.

CAMBRIDGE.—Two local pharmacists, Messrs. M. E. Parson and S. J. Parson, were each granted three months' exemption. It was stated that the new arrangements for the medical treatment of discharged soldiers and sailors would throw a great deal of extra work on chemists, and that there were now only twenty-nine dispensers in the town, the pre-war number being fifty-nine.

COLCHESTER.—The military appeal against Mr. C. S. Cullingford, pharmacist, assistant with Mr. J. F. Marlar, chemist and druggist, North Hill, was disallowed.

ENFIELD.—The conditional exemption of Mr. John Lawson Morrison, chemist and druggist, Ponder's End, was withdrawn; applicant to be called up in a month's time.

GILLINGHAM.—Mr. F. G. Peebles, chemist and druggist, Rainham, has had his appeal struck out in consequence of total rejection by the Central Medical Board.

HASLINGDEN.—On appeal, a Haslingden chemist and druggist was granted temporary exemption to November 30. It was urged on his behalf that there were only four chemists for a population of 21,000; but the Military Representative suggested that an older chemist who has recently gone off the panel should be brought back.

PEEL (ISLE OF MAN).—With the assent of the military authority conditional exemption was granted to Mr. Alfred R. Purcell, chemist and druggist, 48 Michael Street, on the application of Mrs. Jane S. Morrison.

PORTSMOUTH.—Exemption to January 1 was granted to the qualified assistant of a pharmacist who was unable to obtain a substitute. It was stated that there were 111 qualified men in the town prior to the war, and at the present time only 54.—A similar decision was given in the case of a pharmacist who serves a densely populated district.

SHEERNESS.—Exemption to October 17 has been granted to Mr. Douglas F. Vincent, dispenser with Boots, Ltd., Sheerness.

SLough.—The application of Mr. William Wigglesworth, chemist and druggist, for the exemption of his unqualified assistant, Mr. Edwin Ray Wells, was dismissed, twenty-one days being allowed for obtaining a substitute.

SOUTHWARK.—A month's final exemption was granted to Mr. W. Butterworth, son of Mr. J. Butterworth, Ph.C., Walworth Road, S.E.

WATFORD.—Boots, Ltd., in appealing for Mr. A. J. Solomons, an assistant, stated that they had released 317 Class A men, and sent a total of 2,800 men into the Army. The appeal was dismissed.

WELLINGTON (SOMERSET).—With the assent of the military authority exemption till March 4 was granted to Mr. W. Bisset, pharmacist.

"CLAIRAGE" is the name given to the displacement by pure water or other solvent of the mother-liquor from the crystals. The name may also be applied to the process of purifying a mixture of a soluble salt and some equally soluble impurity by washing with a solvent at a low temperature.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following tenders have been accepted by the Boards of Guardians, etc., named:

Clitheroe.—Mr. J. Harrison, chemist and druggist, Clitheroe, drugs and dressings.

Colchester.—Mr. E. H. Barritt, Ph.C., Colchester, drugs.

Dorking Urban Hospital.—Mr. B. C. Browell, chemist and druggist, Dorking, drugs, etc.

Epsom.—Camwal, Ltd., soda-water and lemonade.

Orsett.—Jordan Bros., chemists and druggists, Grays, drugs.

Sealcoates.—Mr. H. Leggott, chemist and druggist, Beverley Road, Hull, drugs.

Spilsby.—Sanitas Co., Ltd., soap.

Upton-on-Severn.—Mr. H. J. Aubrey, chemist and druggist, Worcester, drugs.

Birmingham.

Among the party that received the Queen and Princess Mary on their recent informal visit to Coventry was Colonel W. F. Wyley.

The study of opticians' and surgical-instrument makers' windows just now might yield suggestions of useful sidelights for the pharmacist.

Sir Thomas Beecham, Bart., has founded a new Birmingham Orchestra. A first series of nine symphony concerts and one of ten popular concerts are announced.

It is being asked how a teacher of pharmacy should proceed in order to secure sugar for coaching his pupils in the syr. ferri iodidi exercise beloved of the Apothecaries' Hall examiners.

At a recent meeting of the Birmingham Chamber of Commerce on the lighting restrictions, Mr. Marshall Freeman, chemist and barrister, raised laughter by remarking that Birmingham is the best concealed city in the country—from above.

Quite a commotion was caused at a recent Council-meeting by a series of miniature explosions in the pocket of an official. It appeared that the worthy citizen was carrying loose pot. chlor. tablets, and that these chafed against the striking-side of a safety-match box.

Liverpool.

Mr. Herbert Taylor, chemist and druggist, has acquired the pharmacy of Mr. D. W. Gwynne, Martin's Lane, Liverpool.

Mr. Ernest Taylor, Ph.C., has been nominated President of the Wallasey Chemists' Association, in succession to Mr. Charles Wherly.

Mr. William P. Evans, President of the Liverpool Chemists' Association, has returned from a short holiday on the North Wales Golf Links.

Mr. Charles Wherly, Past-President of the Wallasey Pharmacists' Association, was present at the dinner to Mr. Herbert Skinner at the Exchange Station Hotel on September 17 (C. & D., September 22, p. 35).

Mr. William Parry, chemist and druggist, Great George's Road, Waterloo, Liverpool, who has passed the "three score and ten," is regarded as the *doyen* of men on the road in pharmacy. For many years he conducted a business in Scotland Road, Liverpool, then a rather turbulent thoroughfare, and has latterly travelled in manufacturing specialities.

Manchester.

According to police-court reports, the habit of drinking methylated spirit in lieu of whisky is growing among some classes of women in Manchester. Chemists are so far as possible refusing to supply purchasers, unless the spirit is being used for a legitimate purpose.

Sheffield.

The number of local assistants in retail pharmacy who have joined the Forces is 114, and the chemists who are left are doing their full share of work.

Mr. Philip Smith, chemist and druggist, has taken over the management of the Spital Hill branch of the Brightside and Carbrook Co-operative Society, lately held by Mr. J. H. Batley.

Mr. J. T. Appleton, pharmacist, a member of the Sheffield Insurance Committee, is making a royal fight to retain a chemist as a co-opted member of the Medical Benefit Sub-Committee.

Mr. J. Gilbert Jackson, chemist and druggist, Sheffield, has been initiated as a Mason in the Wentworth Lodge by Wor. Bro. G. L. Wood, P.M., assisted by Bro. P. Carr, chemist and druggist, Senior Warden.

To the list of chemists in business before 1868 (see *C. & D.*, September 8, p. 35) must be added the name of Mr. J. S. Burnell, Glossop Road, who purchased his business there in 1866. Part of his early experience was gained with Barron, Squire & Co., Bush Lane, London, E.C.

The technical section of the Labour Supply Department of the Ministry of Munitions has organised an exhibition, which was opened by the Lord Mayor at the Mappin Art Gallery on September 26, to illustrate the great progress made by women in various kinds of war-work. The display, like the London exhibition, includes optical instruments, glassware, and surgical apparatus of many kinds, from clinical thermometers to x-ray tubes.

Miscellaneous.

EVASION OF FARE.—At Accrington, Andrew Douglas Holding, chemist's apprentice, was ordered to pay the costs for travelling on the Lancashire and Yorkshire Railway without paying his fare.

EARLY CLOSING CONTINUED.—The Home Secretary has made an Order continuing in force from October 1 to April 30, 1918, both days inclusive, the existing general Early Closing Order made under Regulation 15B of the Defence of the Realm Regulations, which expires on September 30.

MIDDAY CLOSING.—Many Darwen shopkeepers have, in consequence of depletion of staffs, been closing their premises for an hour each day for the midday meal. This arrangement has proved so satisfactory that the Committee of the Tradesmen's Association has decided to recommend that the whole of the shopkeepers should adopt this plan.

FIRES.—On September 16 a fire broke out on the premises of Mr. Harry Smart, chemist and druggist, High Street, Littlehampton, where a boy had been playing with matches. The damage was slight.—An outbreak occurred in a section of the box-manufacturing premises occupied by Hugh Stevenson & Sons, Ltd., Wimbledon. The building, one of forty, was destroyed, but the machinery was saved.

DENTAL LEGISLATION.—An informal meeting of representatives of Dental Societies which are likely to be affected as the outcome of the recommendation of the Government Departmental Committee took place at Pagani's Restaurant, London, W., on September 19. The Chemists' Dental Society was represented by Mr. J. Benson Harries, the Hon. Secretary. The gravity of the situation was fully realised, but it was also felt that *bona-fide* dental practitioners have nothing to fear, and that their position will ultimately become more secure.

Poisonings.—The following cases have been reported during the past week: At an inquest at Battersea on Marion Bradford, the wife of a commercial traveller, medical evidence showed that she had been addicted to taking veronal, and a verdict of "Suicide during temporary insanity" was returned.—Joseph Sibbons, news-agent, died at Belfast from the effects of an overdose of laudanum, taken inadvertently.—Through eating belladonna-berry in a Rotherham wood three young children were poisoned, and one of them has died.

CHEMICAL-WORKS EXPLOSION.—Early in the morning of September 20 an explosion, preceded by a serious fire, took place at some dépôt stores of a Stratford chemical-works. The main force of the explosion, in which no lives were lost, spent itself in the immediate area of the fire. Close by are Thomas Tyrer & Co.'s chemical-works, but the fire-brigade succeeded in isolating these premises, which were practically undamaged. Another chemical-works not far distant also escaped, but the premises of Robert Ingham, Clark & Co., varnish-manufacturers, were slightly damaged.

ONE-MAN BUSINESSES.—The President of the Local Government Board has appointed Mr. R. A. Rotherham as a special commissioner to visit localities in which cases of hardship arise through sole proprietors of businesses being called to the Colours, and expresses the hope that it may be found practicable to reduce such hardship to a considerable extent.—A National Business Men's Protection Association, for the protection of businesses of this kind, was formed recently at a meeting convened at Derby by the Bradford Business Men's Association. A Committee and officers were elected by the delegates present, who represented about 10,000 businesses. A deputation was received by Sir Auckland Geddes on September 26, and was promised careful consideration of the points raised.

POLICE-COURT CASES.—At Bow Street Police Court, London, W.C., on September 20, Mr. Philip Reynold Lewis, chemist and druggist, London Road, Tooting, surrendered to his bail on a charge of felonious loitering, together with Mr. J. A.

David, a provision-merchant (*C. & D.*, September 22, p. 36). Evidence was given to the effect that Mr. Lewis frequently acted as *locum tenens* for pharmacists and bore the highest character, and both defendants were at once discharged.—At the London Sessions on September 20, William Devine, labourer, against whom several convictions were proved, was sentenced to twenty-one months' imprisonment for burglary at the warehouse of Mr. J. E. Garratt, Southwark Street, S.E. (*C. & D.*, September 22, p. 36).

VENEREAL DISEASE CIRCULAR.—The Local Government Board has sent out a circular to County Councils, etc., calling attention to the provisions of the Venereal Disease Act, and indicating that Section 1 will come into operation in certain areas on November 1, that Section 2 (1) is in force, and that Section 2 (2) will be in force on November 1. The administration of the Act does not rest with the Councils addressed, but the Local Government Board suggests that the Councils might co-operate with the responsible authorities so far as necessary. At the end of the circular there is a note in regard to the inclusion of diachylon as a poison in Part I. of Schedule A to the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908.

BANKRUPTCY ACT REPORT.—The thirty-fourth annual report on the Bankruptcy Act has been issued by the Board of Trade this week. During 1916, 2,607 receiving orders and deeds of arrangement were made, the estimated loss to the creditors being 3,411,056/-; the corresponding figures for 1915 were 4,031 and 4,818,914/- In Scotland there were 126 sequestrations, and in Ireland 120 bankruptcies and receiving orders. The comparative table showing the total failures in different trades gives the following numbers of chemists and druggists and the total liabilities for the years shown: 1912, 64, 111,959/-; 1913, 38, 24,919/-; 1914, 36, 31,832/-; 1915, 31, 40,881/-; 1916, 31, 21,605/- These figures seem to reflect greater prosperity in the drug-trade within recent years. The grocery-trade heads the list as regards the number of failures, bakers and builders following the grocers next in order.

REPORT ON THE COMPANIES ACTS.—The twenty-sixth annual Report on matters connected with the Companies Acts, 1908 and 1913, has been laid before the House of Commons by the Board of Trade. During the year ended December 31, 3,081 new companies were registered in England and Wales, 4,106 removed from the register or have gone into liquidation, leaving a net addition of 1,025 for the year. There were about 65,000 companies on the registers in the United Kingdom on December 31, 1916. Of the companies registered in 1916, thirty-three were associations formed not for the purpose of profit, and in the same period 200 companies were allowed to change their names. The nominal capital of the companies formed in England and Wales was 46,475,768/-; of 215 companies registered in Scotland the capital was 3,000,812/-, and of the 97 Irish companies the capital was 966,291/- The largest proportion of the companies are registered with a capital of between 1,000/- and 5,000/- The limited partnerships registered in the United Kingdom in 1916 numbered 39, with a capital of 30,611/- Of the companies on the registers at the end of 1916, 48,464 are private companies.

Irish News.

Council Election.

The following are the names of the new candidates for election to the Council of the Pharmaceutical Society of Ireland on October 1: Dr. Michael O'Donnell, L.A.H.Dub., The Dispensary, Castle Street, Dublin; Dr. Walter J. Healy, L.A.H., The Dispensary, Grand Canal Street, Dublin; and Messrs. G. A. McLean, Sackville Street, Dublin; W. Hanna, Main Street, Bangor; M. J. Mullan, Thomas Street, Armagh; W. B. Conyngham, Monkstown; M. Ryan, Camden Street, Dublin; and P. J. Burns, Donnybrook.

Brevities.

Boileau & Boyd, Dublin, have been appointed contractors for medicines to the Waterford Asylum and also to the Tipperary County Infirmary.

Mr. Alfred W. Gray has taken the premises recently occupied by Mr. T. Sheircliff, 41 Ogle Street, Armagh, and opened them as drug-stores.

Mr. John Leavy, R.D., 22 Patrick Street, Mountmellick, called at the office of THE CHEMIST AND DRUGGIST last week when spending a holiday in London.

Mr. T. Sheircliff, who has relinquished his drug-business at Ogle Street, Armagh, has removed to Clonmel, where he has an interest in another business.

Mr. Geo. Shannon, formerly manager of the Donegal Pharmacy, Ltd., Donegal, has been appointed manager for Mr. R. S. Chapman, Medical Hall, Donegal.

Mr. R. Blair, Ph.C., Patrick Street, and Mr. J. A. Burke, Ph.C., are applying for compensation under the Malicious Injury Act for damage done to their premises.

Mr. James McCormack, Wexford, has been elected compounder of medicines to the Wexford Board of Guardians, in the room of the late Captain H. A. G. Hadden.

Thos. McMullan & Co., wholesale druggists, Ann Street and Victoria Street, Belfast, have just completed the refacing of their premises, which has been carried out in a very handsome manner. The portion occupied by the retail drug department, now given up, has been converted into offices.

At Ballymena on September 22, the adjourned case against three lads for maliciously injuring the premises of Mr. J. A. Woodside, chemist and druggist, in July last, was brought up. The police had not the evidence complete, and the case was further adjourned. (See *C. & D.*, September 22, p. 36.)

Largely through the efforts of Mr. Robert Hastings, Killyleagh, co. Down (Robert Hastings, Ltd., chemists), a memorial has been erected in St. John's Churchyard, Newcastle, to the memory of a Danish sailor who was lost in a shipwreck at Newcastle in November 1916. Captain Petersen, of the ship, has written Mr. Hastings, thanking him for his efforts.

The Apothecaries' Hall, Mary Street, Dublin, has been offered to the War Office, for the period of the war, to be used as a chemical-factory, but the offer has been refused. The manufacture of phenacetin has been carried on there, but has had to be stopped owing to the lack of raw material. If facilities were granted and permits given, the Hall would make salicylates and potassium iodide.

At Belfast County Court on September 18, Joseph Newell, Dungannon, sued Robert Andrews, Ph.C., 75 Crumlin Road, Belfast, for 5/- for unlawfully taking possession of a red-setter dog, thereby putting plaintiff to the expense of recovering same. Defendant said the dog jumped into his car at Dungannon, and he never noticed it there until they reached Lambeg. Judge Craig said he had no doubt there was no intention on the part of the defendant to steal the dog. He gave a decree for 4/- 10s., and allowed 17. 8s. witness's expenses.

Scottish News.

Brevities.

The War Office has agreed to repay the Ayrshire District Committee 151/-, the amount expended on the treatment of cases of dysentery originating from a discharged soldier at Lethanhill.

Doctors' fees will probably be increased owing to the advance in petrol. Cycles are being used in the towns, while in country districts there are a few converts to the picturesque doctor's gig.

Acting on the advice given in the *C. & D.* (September 15, p. 44) the majority of chemists in Scotland have applied for and filled up the manufacturers' sugar form. There will probably be many more galenical syrups made by the retail pharmacist this year than formerly.

Edinburgh.

Business, which has been quieter for a few weeks, is now improving.

A good many demands for saffron are reported. The chief use to which this is now put is apparently as a tonic for cage-birds.

Chemists who can secure rectified spirit should do so, as a further increase in price seems imminent. Distillers are asking as much as 4/- per gal. for duty-paid whisky.

A Chair of Tuberculosis has been instituted by the Edinburgh University Court, with Sir Robert Philip, founder in 1887 of the first tuberculosis dispensary in the world, as its first occupant. The study of the disease will be a compulsory subject in the medical curriculum of the Edinburgh University.

Glasgow.

During the recent visit of the King to Clydesdale his Majesty inspected an evaporating and distilling plant, and had a drink of aqua destillata prepared from sea-water.

A lectureship in tropical agriculture, with special reference to sugar-cultivation, is being instituted conjointly by the West of Scotland Agricultural College and the Royal Technical College.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

CAUSTIC SODA.—As a result of the revised instructions by the British Government it is now necessary to obtain a licence for any caustic soda for shipment to South Africa. In view of fears of a shortage the Association of Chambers of Commerce of South Africa is inviting the views of Chambers on the following matters: (a) The extent of existing stocks, and the possibility of their exhaustion during the coming dipping season; (b) the advisability or otherwise of the Government taking early steps to preclude any possible shortage.

PERSONAL.—Mr. Cooper, chemist, Kalk Bay, is standing as a candidate in the forthcoming Cape Town municipal election.—Mr. Oldfield, South African manager for Genatogen Ltd. (British purchasers of the Sanatogen Co.), has returned to Cape Town, and has started a vigorous advertising campaign.—Mr. Peter von Holdt, assistant with Cameron & Hamilton, chemists, Observatory, is joining the S.A.M.C. for service overseas.—At a smoking-concert held in the Central Hotel, Cape Town, on August 9, Mr. J. Parry, manager of the Kimberley branch of Haynes, Mathew, Ltd., who has resigned to take up an important position with De Beers, Ltd., Kimberley, was presented by the staff of Haynes, Mathew, Ltd., with a gold watch. Mr. F. C. Mathew, who was supported by Mr. A. H. Mathew, made the presentation, and referred feelingly to the long and intimate association of Mr. Parry with the firm. Mr. Parry was a member of the Cape Pharmacy Board, and an examiner.

MR. THOMAS HANNAH, the Amersfoort (Transvaal) apothecary, brought an action in the Supreme Court, Cape Town, against the Minister of Justice and other officials to recover 5,000/- damages for alleged illegal arrest. Mr. Hannah was on the point of presenting a petition to Parliament, when he was arrested in Cape Town as a person of unsound mind. Subsequently he was liberated on parole, and finally discharged as "recovered." After a two-days' hearing, the jury returned a verdict for defendants, considering that the officials had reasonable grounds for taking the steps they did. It will be remembered that in 1914 Mr. Hannah visited England with a view to prosecuting before the Privy Council an appeal against his conviction under the Medical, Dental, and Pharmacy Acts of the Transvaal for practising as a chemist and medical man without being registered. Mr. Hannah is on the Natal Register of Chemists and Druggists, and started a branch at Amersfoort in 1909 under the impression that he had been registered in the Transvaal as a chemist; but he was summoned for acting as an apothecary and medical practitioner, was convicted, and heavily fined. The Privy Council decided that they had no jurisdiction over the South African Courts.

Pharmaceutical Society of Cape Colony.

A GENERAL MEETING of the Pharmaceutical Society of Cape Colony was held in the Society's Room, Darling Street, Cape Town, on August 16. Owing to the unavoidable absence of the President (Mr. D. L. Petrie) Mr. G. R. Cleghorn presided over a very fair attendance. A motion brought forward by the Chairman, that Rule 37 be altered to read, "Seven members shall constitute a quorum for all general meetings and five at a Council-meeting, etc.," was carried unanimously. The next item on the agenda was a discussion on "The Title of Chemist: Are you prepared to defend it?" Mr. Ferguson opened the discussion, pointing out that in the draft Bill all reference to chemists was made under the title of pharmacy. He objected to this, and went on to show that the qualified chemists had an unassailable right to the title, which had been theirs by qualification, time, and usage. He proposed that the Council should reopen the question of "title of chemist" with a view of having the matter placed in its proper light before the members of the Society, so that action be taken when the Bill came before Parliament for its second reading. Mr. J. Austin Thomas seconded the proposition, and Mr. Smith Houghton supported in a short speech. On being put to the meeting the proposition was carried, and it was agreed that the Secretary should write to the Secretaries of all centres in the Union asking them to formulate a resolution so that united action may be taken and the matter put to the ballot. Mr. Smith Houghton then gave a very interesting account of his experiences as a Sergeant-Major in the S.A.M.C. during the rebellion and the German South-West Africa campaign.

French News.

(From the "C. & D." Paris Correspondent.)

M. LEGRAND, pharmacist, Beaulieu-les-Fontaines, who has just died of pneumonia, may be regarded as a victim of the war, in spite of his sixty-three years of age. In December 1914 he was compelled by the Germans to leave his pharmacy. In February 1915 he was separated from his wife and sent to Rastadt, where he underwent a cruel imprisonment. There is little doubt but that the Hun cruelties practised upon a helpless prisoner were responsible for the malady which terminated his existence. He was sent back to France to die.

THE NEW CABINET.—M. Vietor Peytral, one of the new French Under-Secretaries of State for War, is the son of the Marseilles Senator, M. Paul Louis Peytral. The latter is a graduate of the Paris School of Pharmacy, and was long the head of an important chemical firm at Marseilles. He relinquished his business connection, however, when he was fairly launched on his political career, and the present Minister has therefore only an hereditary connection with pharmacy. M. Renard, the new Labour Minister, is, on the contrary, a qualified pharmacist.

ASSISTANT-PHARMACIST-MAJOR LAZENNEC, who is carrying on chemical experiments in Professor Moureu's laboratory at the Paris School of Pharmacy in the interests of national defence, is not the first pharmacist who has fallen a victim to the manipulation of dangerous substances. He is lying in a critical state at the Necker Hospital. The authorities, wishing to recognise the services he had rendered at so heavy a cost, sent Lieutenant Roux (of the Ministry of War) to the patient's bedside, and in the presence of Surgeon-Majors La Moignie and Combes, and a few relations, Professor Moureu pinned the Cross of the Legion of Honour on the breast of his collaborator.

STOCKS OF OILS, FATS, ETC.—A Presidential Decree, dated September 4, has been published, to the effect that all producers, owners, holders, or anyone having charge of stocks exceeding 1,000 kilos. (about 2,205 lb.) of oleaginous seeds and fruits of all kinds; vegetable or animal fats and oils, pure or mixed; fatty acids; glycerin and liquids containing glycerin ("eaux glycéritiques"); soap and candles: shall, before October 1 next, make a declaration of their holding of any of the foregoing articles on September 15. The text (in French) of the above-mentioned decree may be consulted at the Department of Commercial Intelligence, 73 Basinghall Street, London, E.C. 2.

DOING WITHOUT GERMANY.—Allusion was made in the *C. & D.*, August 25, p. 42, to the development of water-power in the French mountain districts for chemical works. A French contemporary ("La Chronique Pharmaceutique") quotes in this connection the Société d'Alais, et de la Camargue. In 1915-16 (with State assistance) this company erected a plant at St. Auban, on the branch railway from Digne, of 5,000 to 6,000 h.p. This alpine works is now producing liquid chlorine at the rate of 20 tons per twenty-four hours, and about the same quantity of soda, besides bleaching-powder. Close by, a new works is being built for manufacturing aluminium and nitrates. Concessions of hydraulic power representing about 100,000 h.p. have been secured.

THE CHEMICALS COMMITTEE just formed by the Minister of Commerce, to which reference was made in last week's *C. & D.* (p. 43), is to deal not only with the manufacture and commerce of chemicals in the narrower sense of the word, but also with dyes, pharmaceuticals, perfumery, and photographic goods. Its object is to fix, centralise, co-ordinate, and control the needs of the State and the public, and to endeavour to satisfy these needs from home or foreign sources. The general idea seems to be to draw up a monthly estimate of available supplies and to divide the total as fairly as possible ("in the interests of the nation") between Government establishments and private firms. In certain cases it will act as intermediary between the former and the latter, fixing, for instance, the price of products handled by the State to individuals or firms, or of goods manufactured from such products. The Committee includes, besides representatives of the various Ministries (or State Departments) interested, the Director of the Office Chimique et Pharmaceutique, the President of the Advisory Board of Arts and Manufactures, four chemical manufacturers, and two wholesale druggists. It appears to be an effort to extend and complete the useful and extensive work of the Office Chimique, to which allusion was made in our editorial article of August 25 (p. 42).

Legal Reports.

Carbolic-acid Delivery.—At the Rhyl County Court on September 21, Judge Moss gave judgment in a claim for 82*l.* by the London and North-Western Railway Co. and R. Graesser, Ltd., Ruabon, against Mr. D. MacNicoll, Derwas, Abergel, for the value of carbolic acid supplied, the last-named counterclaiming for damages (79.) due to the railway company's error in delivering carbolic acid to him instead of creosote (see *C. & D.*, June 30, p. 37). Judge Moss said the whole affair had arisen through a stupid blunder on the part of the railway companies, and he did not think there was contributory negligence on the part of the defendant. He found for the defendant on the claim of Messrs. Graesser, with costs. As against the railway company he gave judgment for the defendant, with costs on Scale C. As regards the counterclaim he felt that the defendant was entitled to something for his labour, but as he had had the benefit of a certain portion of the carbolic, which would preserve the wood treated, he ought to pay for it. He allowed the defendant 4*l.* 14*s.* 6*d.* and costs. He did not consider there was any danger likely to arise to the stock.

Alleged Frauds on Wholesalers.—At the Mansion House Police Court, London, on September 21, the hearing was resumed, before Mr. Alderman Moore, of the charges preferred against Maurice Balk (17), messenger, of obtaining large quantities of chemists' sundries and pharmaceutical goods, by means of forged orders, from W. Edwards & Son, 157 Queen Victoria Street, E.C., and Burroughs Wellcome & Co., Snow Hill Buildings, E.C. Richard Wilson, chemist and druggist, Stroud Green Road, and Peter Hy. Koski, fancy-goods dealer, were charged with receiving a portion of the goods knowing them to have been unlawfully obtained (see *C. & D.*, September 22, p. 37). According to the case for the prosecution, the youth Balk, who was formerly in the employ of Mr. J. C. Meacher, chemist and druggist, Stroud Green Road, since July last, by means of orders purporting to come from his late employer had obtained chemists' sundries and other goods, of the value of 50*l.*, from W. Edwards & Son, and from Burroughs Wellcome & Co. goods of the value of 30*l.*, and had disposed of a portion of the goods to Wilson and Koski. In Koski's possession were found articles of the value of 50*l.* Balk, he said, told him that he was an American, and that the "stuff" was a job line, and he wanted to get it off his hands. Wilson was a customer of Burroughs Wellcome & Co., and the goods brought to his shop by Balk were almost exclusively the goods of that firm. John Fredk. Sims, assistant to W. Edwards & Son, produced seven orders for goods presented by Balk on various dates, all of which purported to come from Mr. Meacher, chemist, Seven Sisters Road. The total amount of the goods supplied was 83*l.* 16*s.* 3*d.* On September 12, witness said, he went with the police to Koski's shop, 10 Station Road, Finsbury Park, and saw him produce from a cupboard in a back room goods, which he recognised as belonging to Messrs. Edwards, to the value of 47*l.* 18*s.* 7*d.* Mr. John Chas. Meacher, chemist, 161 Stroud Green Road, with other branch establishments, a customer of W. Edwards & Son, said his practice was to send written orders. The seven orders for goods (produced), purporting to bear his signature, were forgeries. Witness had received none of the goods. Mr. Alderman Moore held that a *prima facie* case had been made out, and intimated his intention to commit the accused for trial. The further hearing of the charges in respect of the goods obtained from Burroughs Wellcome & Co. was adjourned, accused being admitted to bail.

Salicylic Acid as Preservative.—At Pontypridd Police Court on September 19, before Mr. Lleufer Thomas, the Stipendiary Magistrate, Deputy Chief Constable Williams, Pontypridd, acting as the inspector under the Sale of Food and Drugs Act for the district, summoned Giuseppe Gambetti for having on July 23 sold ginger brandy which was not of the nature, substance, and quality demanded by the purchaser, but contained the equivalent to 0.08 per cent. of salicylic acid, or 7 gr. per pint. Deputy Chief Constable Williams conducted his case in person, and Mr. D. Rees represented defendant. Evidence of purchase was given, and in cross-examination prosecutor said he was not aware that 8 gr. of salicylic acid per pint is usually employed as a preservative for ginger brandy. Witness said he did not suggest fraud, but rather carelessness. For the defence Mr. Rees addressed the Court at some length on the questions at issue in the case, and said that although from his point of view, and for other reasons which he detailed, the certificate was bad on the face of it, he was not going to rest his defence on that point, because he

wanted a decision on the merits. He submitted that there is no standard for ginger brandy, and the summons said that the sale had been to the prejudice of the purchaser of an article which was not of the nature and quality demanded. Anybody may make ginger brandy of whatever ingredients he likes. The article went by the name of ginger brandy, and the purchaser received ginger brandy. There is no standard in the *Pharmacopoeia*, nor are there any regulations upon the matter by the Local Government Board, as in the case of milk, for instance. It is for the prosecution to prove what ginger brandy is. He thought the decisions which he had before him proved conclusively that if there is no standard fixed then there is no offence committed. Defendant, who gave evidence, said he sold the ginger brandy as he received it. Mr. E. J. Parry, B.Sc., F.I.C., F.C.S., etc., was then called. Mr. Parry said he is the author of a work on food and drugs and the law on the subject. He had twenty-five years' experience in his profession, and he had paid special attention to the question of the preservation of foods with salicylic acid. The employment in ginger brandy of 7 gr. per pint is absolutely harmless. It would be quite useless to employ only 1 gr. to the pint as suggested by the analyst. Witness went on to give further details upon the technical aspect of the case, and, asked as to whether there had been, many years ago, an objection to the use of salicylic acid as a preservative, explained that it was so, but that was the time when salicylic acid was entirely made in Germany, and contained an impurity known as paracresotic acid. The objectionable element applied to this, but the salicylic acid made now is free from this impurity. Cross-examined by the Deputy Chief Constable, witness said it was quite true he had given evidence in that court in 1912 in cases which were contested, but he did not agree that the Stipendiary then came to the conclusion that 3 gr. per pint was injurious to health. Mr. Rees said the case was dismissed. Asked with regard to the views of Dr. Kenmow upon this matter, which were contrary to his own, witness said that that gentleman, if he might say so, had made a lifelong hobby of salicylic acid. He (witness) maintained his own views without any hesitancy. Dr. Morgan Rees, Pontypridd, gave evidence bearing out the views of the previous witness, after which the Stipendiary said that this is a case in which he thought it advisable to consider his decision. The case was thereupon adjourned for a week.

Business-names Registrations.

DOMINION HEALTH FOOD AND HERBAL CO., Wolverhampton. Proprietor, William C. Errington.
FRANCIS DRAKE & CO., manufacturing chemists, 1 Eden Street, Hampstead Road, London, N.W. 1. Proprietor, John E. Jewell.
G. F. EVE & CO., thermometer-makers, 18A Featherstone Street, London, E.C. Proprietor, Arthur O. Jones, also trading as Joseph Long, 43 Eastcheap, E.C.
GULDEN REMEDY CO., Nottingham. Proprietor, William Higson, also trading as D. Higson & Sons.
URILLAC CO., manufacturing chemists, 164 Piccadilly, London, W. Proprietor, John E. Jewell.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, October 1.

Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin, at 7.30 P.M. Annual meeting and reopening of the Society's schools.

Wednesday, October 3.

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C. At 11 A.M., Council-meeting. At 3 P.M., opening of the session of the School of Pharmacy. Address by Lieut.-Col. E. F. Harrison, C.M.G.; Presentation of Hanbury Medal to Professor H. G. Greenish.

Thursday, October 4.

Progressive Pharmacy Club, Arundel Hotel, Arundel Street, London, W.C., at 3 P.M. Adjourned meeting of panel chemists to receive report of delegates.

WESTERN PHARMACISTS' ASSOCIATION.—The annual reunion, which was to have been held on October 4, has been cancelled.

MANCHESTER PHARMACEUTICAL ASSOCIATION.—A meeting will take place at the School of Technology on October 10 at 3 P.M., when Mr. E. White, President of the Pharmaceutical Society, will deliver an address on "My Fifth Year."

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

JOSEPH ANDERSON & CO., LTD. (P.C.)—Capital 10,000*l.* Objects: To take over the business of dealers in coffee, drugs, etc., carried on at Belfast. R.O., 75 North Street, Belfast.

R. T. TURNER & CO., LTD. (P.C.)—Capital 2,000*l.* Objects: To carry on business as chemical and general merchants, etc. Solicitor, A. A. Rees, 51 North John Street, Liverpool.

O. H. T., LTD. (P.C.)—Capital 1,000*l.* Objects: To carry on business as manufacturers of and dealers in medical, chemical, and other preparations for promoting the growth or preserving or restoring the natural colour of hair; chemists, druggists, drysifters, etc. Solicitor, J. A. White, Stevenage House, Holborn Viaduct, London, E.C.

A. G. FOSTER, LTD.—Mr. P. S. Booth, 32 Kimberley House, Holborn Viaduct, London, E.C., was appointed receiver on September 12.

COMPANIES WHICH MAY BE WOUND UP.—Three months from September 25 the names of the under-mentioned companies will, unless cause is shown to the contrary, be struck off the Register, and the companies will be dissolved: Carenza Laboratories, Ltd.; Lloyd's Neurosal Co., Ltd.; London and Oporto Tonic Wine Co., Ltd.; London Surgical Appliances, Ltd.; Magnet Photographic Paper Co., Ltd.; Normandy Chemical Co., Ltd.; Park Pharmacy, Ltd.; Pharmaceutical Petroleums, Ltd.; Sureté Drug Co., Ltd.; Toilet Requisites Co., Ltd.; and Young's Drug Stores, Ltd.

BOOTS CASH CHEMISTS (EASTERN), LTD.—The annual meeting was held at the Midland Grand Hotel, St. Pancras, London. Sir Jesse Boot presided, and in the course of his speech said, in regard to the supply of fine chemicals: "Two years ago I mentioned that the parent company was beginning the manufacture of a number of fine chemicals which, before the war, were made only in Germany. To accommodate these undertakings and their accessory research laboratories we have had to erect extensive new buildings, and we have put down plant and apparatus for this purpose alone of a value of no less than 200,000*l.* I believe that this outlay will be fully justified by results. To show the varied nature of the plant, I may state that we have put down refrigerating-machinery capable of making 40 tons of ice weekly, because large quantities of ice are required in the manufacture of certain fine chemicals. I consider, however, that in this range of our undertakings we are rendering an important national service in a two-fold direction. For not only are we building up a great and essential national industry, but we are also helping very materially to bring prices down to a more reasonable level than that to which they were soaring. We have supplied very many tons of aspirin to the Allied Governments at continuously reduced prices. We have long been engaged in the manufacture of phenacetin, and have installed special apparatus for the purpose. We have sent tons of this abroad to meet the foreign demand, but for which prices here must have ruled much higher than the present current rate. Owing to the war the demand is enormous; when our plant is complete we shall be able ourselves to supply almost entirely the normal British demand. Atropine is another fine chemical which at present is exceedingly scarce, but of which we have made a large quantity. These are but examples of a number of the synthetic drugs we have been engaged on. In addition to dealing with the chemicals formerly made in Germany, our research department has been busily engaged in working out details for the manufacture, in quantity, of some remarkably efficient articles introduced to the medical profession by Dr. Dakin, who published the formulae of them for the public good. Two of these—chloramine-T. and halazone—have been extensively used with admirable results." Reference was next made to "Burnol," a special and standardised compound of antisepsics and paraffin, for the treatment of burns. A floor-space of 4,000 sq. ft. in one of the new buildings had been set apart for its manufacture, and the reports of the efficacy of Burnol made by medical men were remarkably eulogistic. Sir Jesse hoped to see Burnol placed in most hospitals, in every public fire-station, and every large factory in England. Lady Boot was elected a director, in place of the late Sir James Duckworth.

EXCESSIVE CIGARETTE-SMOKING is not the essential cause in most cases of "soldier's heart"; but it is an important contributory factor in the breathlessness and praecordial pain of many of them.—*Lancet.*

Birth.

MAGEE.—At Bective Villa, Kells, co. Meath, on September 20, the wife of E. P. Magee, Ph.C., of a son.

Marriage.

EWING-TURNER.—At Woodbank Mansion Hotel, Dumfries, on September 20, by the Rev. J. Cairns, M.A., the Rev. James Anderson Ewing, M.A., Lathones U.F. Church, to Esther Stratton, third daughter of Mr. Alexander Turner, Ph.C., ex-Provost of Dumfries.

Deaths.

ESSERY.—At 1 Egerton Road, Plymouth, on September 9, Mr. William Essery, Ph.C., aged eighty-seven.

HANDS.—At Aylesbury Street, Fenny Stratford, on September 15, Mr. Henry Hands, chemist and druggist, aged seventy-nine. Mr. Hands carried on the same business for fifty-two years.

PULLAR.—At a nursing-home in Edinburgh, on September 22, Mr. Rufus Daniell Pullar, of Braham, Perth, chairman of J. Pullar & Sons, Ltd., and eldest son of the late Sir Robert Pullar, aged fifty-six. He was educated at Edinburgh and Leeds Universities, and became chairman of the Perth Dye-works on the death of his father in 1912. Mr. Pullar was an original member of the Society of Chemical Industry, a life member of the Chemical Society, and a member of the Council of the Association of British Chemical Manufacturers.

Died on Service.

COOPER.—Lance-Corporal Hubert Cooper, East Lancashire Regiment, has been killed in action, aged twenty. Before his enlistment in 1914 Lance-Corporal Cooper was in the office of R. Parkinson & Sons, wholesale and retail chemists, Curzon Street, Burnley, and he had since served his country in Egypt and in France.

EVANS.—Lance-Corporal E. P. Evans, Royal Engineers, died on September 10 from wounds. Born at Carnarvon, Lance-Corporal Evans served his apprenticeship with Mr. A. E. Beilby, chemist and druggist, Old Radford, and, after experience at Cheltenham and Kensington, qualified in 1912. He joined the Army on the outbreak of war, and subsequently, being anxious to go out to the Front, transferred to the R.E. Only the week before his death he was awarded the Military Medal.

EVERETT.—The death is reported from wounds of the son of Mr. W. Edes Everett, chemist and druggist, St. Botolph Street, Colchester. He was educated at Colchester Grammar School, and on the outbreak of war gave up a promising career to serve his country in the Army.

GOLD.—Private W. J. Gold, Royal West Surrey Regiment (Queen's), has been killed in action. Private Gold was employed at the Wellcome Chemical Works prior to the outbreak of war, and enlisted in September 1914.

LEWIS.—Mr. P. J. Lewis, third son of Mr. C. T. Lewis (a town representative of The British Drug Houses, Ltd.), lost his life recently, through his ship being torpedoed, aged twenty-nine. Mr. Lewis, who secured his mate's certificate eight years ago, received a medal for saving life when an officer on the *Minneapolis*; since the outbreak of war he had been engaged in transport-work. Two of his brothers are on active service.

McPHEE.—Lance-Corporal John McPhee, Army Veterinary Corps, has been killed in France. Till April 1916 Lance-Corporal McPhee was with Bailie Sinclair, chemist and druggist, Falkirk; his death was the result of an air-raid on a dressing-station in which he was a dispenser.

MARCHANT.—Private George Marchant, Somerset Light Infantry, has been killed in action in France. He enlisted while serving his apprenticeship in pharmacy at Burnham (Somerset).

MORRISON.—Private A. Morrison, South Lancashire Regiment, has died from shell-wounds. Till the outbreak of war he was with Joseph Crosfield & Sons, Ltd., Warrington.

SMITH.—Signaller George Smith, Royal Scots Fusiliers, is reported killed in action. Prior to enlistment he was with J. Brown & Co., Ltd., manufacturing chemists, Dewsbury.

UFFINDELL.—Private Henry Lister Uffindell, Bedfordshire Regiment, has been killed in action. He was for some years with Boots, Ltd., at their Croydon and Purley branches.

Trade Notes.

SANDALWOOD OIL.—Whiffen & Sons, Ltd., Lombard Street, Battersea, London, S.W. 11, are the sole consignees of the Mysore Government sandalwood oil.

CALDER'S MALT-EXTRACT.—Calder's Yeast Co., Ltd., Calder House, Newcastle-on-Tyne, invite applications for quotations for malt-extract and malt and oil.

DENOVO.—The Thames Chemical Co., Ltd., 12 Norfolk Street, London, W.C., ask us to emphasise the fact that Denovo is not a face-cream; its purpose is to remove wrinkles.

NUTRITIVE TABLETS are an ideal tonic for munition-workers. Particulars are given in the advertisement in this issue of Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton.

ROSE VANISHING-CREAM.—The Empire Perfumery Co., Oldbury, advertise in this issue rose vanishing-cream and hazel-foam, which are sold put up ready for sale or in bulk. Window-show material is supplied.

WATERPROOF PLASTER.—In regard to the Home Office requirements as to first-aid appliances in bichromate-factories (*C. & D.*, September 1, p. 44), Edward Taylor, Ltd., plaster-makers, Salford, inform us that they also supply waterproof plaster of the kind required.

"FOLLOW THE FLAG."—F. Newbery & Sons, Ltd., Charterhouse Square, London, E.C. 1, use this appropriate headline in their announcement in this issue regarding their four patriotic tooth-powders—Royal Standard, Union Jack, White Ensign, and Entente. Samples of the tooth-powders are supplied free.

LORIMER'S SANATOGEN.—Mr. John Lorimer, Balfour House, 119 Finsbury Pavement, London, E.C. 2, sends us a sample of the sanatogen which he prepares from the expired Wulffing patent. It is packed in square tins, and Mr. Lorimer makes confident claims as to the quality of the article which he has been able to produce.

LYSOL PREPARATIONS.—Lysol, Ltd., Crayford Mills, Wartton Road, Stratford, London, E., inform us that the demand for their lysol, osyl tooth powder and paste, and Marshall's lysol toilet-soap is greater than ever. All orders are taken in strict rotation, and so far, in spite of increasing difficulties in obtaining raw materials, all demands have been met.

ORBITE is the name of a tree-banding composition made by Kay Bros., Ltd., St. Petersgate Mills, Stockport. It is used for banding the trunks of fruit-trees to prevent the ravages of insects. It is now the season for applying orbite. Chemists should remember that the manufacturing experience of Kay Bros., Ltd., in similar compounds gives the company a unique position in preparing this tree-banding composition.

ALL-GLASS SPRAYS.—Mr. R. J. Reuter, 69 Carter Lane, London, E.C. 4, advertises in this issue the Delta and Parvo all-glass sprays, designed for spraying oil or aqueous liquids into the throat or nose. A trial we have made with the sprays shows that they are all that is claimed for them, and there are several particular features in the design which contribute to the stability and superiority of the finished article. It is interesting to note that Mr. Reuter has his own glass-blowing establishment, and he is prepared to show chemists who call the manufacture of the sprays from start to finish. Particulars of the Delta and Parvo sprays are given in Mr. Reuter's advertisement in this issue, where also other sprays are referred to.

COUNTERFEITING IN PERSIA.—The British Vice-Consul in Persia has been instrumental in effecting the arrest of a Persian pharmacist who supplied a bottle of a santolin preparation under a forged label which purported to be



that of Burroughs Wellcome & Co. The santolin caused the death of a girl who took it. The premises of the wholesaler who supplied the fraudulent package were searched, and a supply of forged labels was discovered. The wholesaler has since fled the town. The imitation of Burroughs Wellcome & Co.'s label and unicorn trade-mark which was used is shown in the above illustration.

Personalities.

MR. JOHN C. BRAMLEY, chemist and druggist, Wibsey, has been appointed organist at the Wibsey Wesleyan Chapel.

MISS G. N. C. ORCHARD, pharmacist, has been appointed dispenser to the Fishpool institution of the Bolton Union.

COUNCILLOR E. JENKINS, chemist and druggist, Faversham, has been elected a member of the Food Control Committee for the borough.

ALDERMAN OWEN A. CLARK, pharmacist (Nunn, Hinnell & Clark), has been unanimously elected Mayor of Bury St. Edmunds for the fourth year in succession.

MR. W. E. HORROCKS, chemist and druggist, Knutsford, was invested as Provincial Grand Junior Deacon at a meeting of the Provincial Grand Lodge of Cheshire Freemasons, held at New Brighton.

MR. H. J. PAVEY, chemist and druggist, High Street, Ramsgate, has announced that owing to ill-health and the impossibility of obtaining competent help he is compelled to close for a short rest.

MR. A. W. BROMLEY, chemist and druggist, Whetstone, contributes to "The Lancet" a paper entitled "Awkward Prescriptions," which deals with incompatibilities and ambiguities in doctors' prescriptions.

MR. A. J. MERRIFIELD, The Central Pharmacy, Stoke, writes to the "Western Morning News" to combat the idea expressed by an article in that journal that chemists are obtaining abnormal profits on saccharin.

MR. ERNEST A. PINCHIN has been appointed an additional public analyst for the borough of Camberwell during Dr. F. L. Teed's tenure of office, or until the Local Government Board shall approve of such appointment being determined.

MISS JESSIE AKHURST, daughter of Mr. A. Akhurst, pharmacist, Southbourne Grove, Bournemouth, has passed the Senior Oxford examination with honours at the age of fifteen. Miss Akhurst intends following her father's profession.

SIR ARTHUR STEEL-MAITLAND, Under-Secretary at the Colonial Office, is to be Parliamentary Secretary of the new Department which the Government is creating to deal with the improvement of this country's commercial intelligence system.

SIR ARTHUR PEARSON is endeavouring to raise a fund amounting to 250,000*l.* so that allowances of 5*s.* per week until the age of sixteen can be paid to the children of blinded soldiers and sailors not cared for by the State. The address of the Blinded Soldiers' Children Fund is 224 Great Portland Street, London, W. 1.

THE MEMORY of the late Mr. John Platts, who died on April 23, while on his regular journey for Southall Bros. & Barclay, Ltd., Birmingham (*C. & D.*, May 5, p. 38), is to be perpetuated by the endowment of a bed in the wards of the Leicester Royal Infirmary. The endowment has been effected by his sister, Mrs. M. A. Shipley, Melton Mowbray, at a cost of 1,000*l.* A plate bearing the following inscription is to be placed over the bed selected: "This bed was endowed to the memory of the late John Platts, of Melton Mowbray, for many years closely associated with medical work in this neighbourhood, by his sister, Mrs. Mary Ann Shipley. 1917."

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

135/26. "Neodora" specialities. 130/7. "Markoline,"
137/46. "Urolitina,"
136/38. Gilman's "Warwickshire" foot-rot cure. 143/49. Gramm's or Grám's mixer.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

"Ajax" dry-cell battery, 139/24	Novoarseno "Billon," 136/54
"Cuticura" soap, 142/53	"Numol," 99/74
"Danderine," 138/3	Oiled silk, 136/33
"Homococa," 140/16	Osbourne's mixture for epilepsy, 139/5
Hosocene towels, 139/22	Pulv. gum. asafetida, 98/49
Johnson's mounted caustic points, 140/16	Pump sprays, 135/59
"Lubafax," 90/4	Rankin's ointment, 138/3
Luken's catgut, 89/73	Terry's plaster of Paris, 140/16

Observations and Reflections.

By Krayser II.

The Comprehensive Poison Schedule

published in the Coloured Supplement last week furnishes still another example of the hasty, slip-shod work to which we are becoming too much accustomed by our Government Departments. I have no doubt whatever that the schedule correctly represents the literal regulations, but that such preparations as compound lead suppositories, corn-cure containing Indian hemp, cough-mixtures, and such like are to be denied to members of his Majesty's Forces, unless on certain conditions, merely exposes us to the contemptuous laughter of every intelligent human being. And, not content with this, the official mind commits on its own account the further *faux pas* of declaring that no pharmacist may sell these things to any qualified doctor who may happen to be connected with the Army or Navy. One would have thought that the less said about this blunder the better it would be for the good sense of all concerned. I agree with you that there is nothing in the regulations to prevent a doctor writing out a prescription for himself, and there is nothing, not even an anonymous message from the War Office, to prevent me or any other pharmacist from dispensing that prescription.

"Poisonous"

is simply the adjective of "poison," and carries, philologically, exactly the same meaning: a poison is nothing more or less than a poisonous substance. How Mr. Wells or any other chemist can ever have thought that the adjective "signified something less dangerous" than the noun before a stupid legislative Act lent colour to the idea I cannot understand. That it does so now in the popular mind at least is unfortunately true, and is a source of danger which goes far to defeat the primary intention of the Pharmacy Acts. But let not us chemists give any plausibility to the notion that it was always so.

A Call for United Action

was the key-note of the Conference of Representatives reported by you last week, but the tone of the meeting was hardly calculated to ensure it if, as I infer, the action of the whole trade was in question. If the Society claims or wishes to represent the whole trade, it should be more conciliatory in its tone and methods, and should be at more pains to ascertain the mind of the trade before declaring its own. The first essential of united action is to be of one mind, and the spirit which hardens itself against "outside opinion" makes this impossible. This very Conference went directly against the expressed resolution of a more truly representative meeting of London pharmacists with regard to National Health Insurance dispensing-fees, and its call for united action simply comes to this—that we (I am speaking of panel chemists as a whole) are to submit blindly to the leadership of a body to which many of us do not belong, and the leaders of which many who do belong to it profoundly distrust. It is an unreasonable and, as regards non-represented Pharmaceutical Committees, an absurd demand. That these men are not represented may be their own fault, or it may be the fault of the Society, but wherever the fault lies the call to them to fall in automatically with the policy of a body whose right to their allegiance they have up to the present tacitly repudiated shows the very spirit that has always repelled them.

The Meeting at Anderton's Hotel

will have been held when this note appears, but it is not too late to emphasise one point which doubles the force of every other that can be urged in support of our demand for the higher dispensing-fee. When our present terms were fixed, the cost of living, abnormally high as it already was, had not increased to anything like its present height, nor has it yet, in all probability, reached the limit. Every other trades-

man except the chemist, and we ourselves in every other department of our business, can meet this increase by a raising of prices—a step the more necessary because along with the growth of the cost of living and of carrying on business goes a constant dwindling of the amount of business done. Only in our N.H.I. work are we debarred from this: there alone we have to work for fixed "wages," and for wages that were fixed when our conditions were very much easier than they now are. Nobody can deny that when our contracts were last revised the terms we accepted were barely sufficient to satisfy the demands of justice under the conditions then existing (we ourselves deny that they were even that), and our claim for an increased rate of pay is unanswerable. In every private industry, and in at least the lower grades of the Civil Service, an increase, temporary or permanent, has been granted: why not here? The most subservient of our leaders, indeed, agree with this demand in principle; the only difference between them and the rank-and-file is as to the amount of the increase. In fixing this on the basis contemplated in this note we must, as I have already indicated, regard not only the general cost of living, but that of carrying on the service itself, which has increased at least in proportion. The increased pay demanded by assistants, the increased cost of handling goods, carriage, empties, and other incidental expenses—all must be reckoned with. We who wear the shoe best know where it pinches, and I venture to say that no single panel chemist in the country who has adequate experience of the work and speaks without political or other bias, will say that the fee proposed at the meeting on Tuesday is excessive, or more than is necessary to secure us from loss.

The Female Shop-assistant

has had a good many hard things said of her lately, some of them unjust. I have not found her as a rule less obliging or more ill-tempered than men in the same circumstances. It must be remembered that anciently it was the shop-assistant's function to sell, whereas now it is to guard depleted stocks against a raiding public. At this game I have found women quite equal to him, but it is not so much that they are more forbidding in their manner, but that they are slower, less expert, more inattentive, less adaptable, than he. This is hardly what one would have expected from the reputation the sex has for deftness, but it is true. The work is, of course, new to them, and they may improve, but as yet they are as long in serving one article as an average shopman in serving three. Moreover, much of their duty consists in explaining why this or that article cannot be supplied, and women are never good at explanation. They have thus no need of those defensive tactics, surliness and incivility, which under the new conditions are becoming common in the shopman: their natural inaptitude is enough to discourage the most urgent customer. I hasten to add that it is not chemists' shops that I have in mind just now.

"I always look out

for the nearest chemist," said a lady to a friend in my hearing yesterday, "when I am in any difficulty in a strange place: they are so intelligent and so obliging." This recalled to my mind R. L. Stevenson's "courteous and affable chemist," but it is hardly, I think, in accord with our traditional reputation. Probably the saturnine jurymen in "Pickwick" is responsible for the many disagreeable pharmacists of fiction, but there was probably some justification for Dickens's caricature at the time when it was written. Later novelists, as I have from time to time noted, have to some extent redressed any injury he did us, and we seem to have acquired a better character with the public. At all events, a writer in the "Daily News" last week placed us high in the roll of polite tradesmen. We cannot as yet compete with the tailor and haberdasher in this respect, and the draper runs us close or is perhaps a little ahead, but we appear to come next in general opinion. The bookseller has some advocates, but the poor grocer is not even named in the list. Is sugar responsible for this? Be this as it may, we have certainly improved our position, and our "intelligence" is an added distinction peculiarly our own.

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Editorial Articles.

"Trespassers, Beware."

THE report of the Conference of Delegates on the Drug Tariff which was printed in the *C. & D.*, September 22, p. 45, has attracted some attention from the resolution with which the proceedings terminated. In this the Conference expressed its "firm conviction that no other body than the Pharmaceutical Society through the Local Associations Executive Committee should, on behalf of pharmacists, approach the National Health Insurance Commissioners," etc. The Local Associations Executive, it should be stated, is a body upon which by its constitution the Pharmaceutical Society has always a majority, and the Executive has large funds, contributed not by the Pharmaceutical Society, but by those Pharmaceutical Committees which entrust the Executive with checking the pricing of prescriptions carried out by the Official Pricing Offices in the areas of the Pharmaceutical Committees. The Executive has its own ideas as to the spending of the money thus obtained, and peculiar views as to balance-sheets. The Local Associations Executive devised a scheme for Insurance dispensing remuneration to lay before the Insurance Commissioners, and this has been discussed at private meetings throughout the country. Mr. E. T. Neathercoat, Vice-President of the Pharmaceutical Society, has had charge of the "mission," and although there are no means of telling what took place at the meetings, the fact that the scheme was approved unaltered is a

striking testimony to Mr. Neathercoat's forensic ability or to the Tariff-weariness of the audiences. It is one of

the disadvantages of secret meetings that audiences can be swayed by statements which if made publicly could be promptly contradicted, but we prefer to believe that Mr. Neathercoat has carried his audiences with him through sheer force of arguments directed to those who timidly suggested even the most trifling alteration in the scheme. We do not think, however, that resolutions passed at private meetings are of the same value as those which result from discussion in open meetings. At these meetings delegates were elected to the Conference held in London last week, where again the scheme was approved without the alteration of a single comma. What more could an autocrat desire? The fiat has gone forth that anyone who does not accept what the Executive does is "disloyal," and hence it comes about that many members of Pharmaceutical Committees would rather smother up the whole business than appear to be lacking in loyalty to the Pharmaceutical Society. It happens, however, that there is a minority of panel chemists who take a different view of the matter. That the minority contains some of the most sincere elements among chemists is obvious from the efforts, carried out without the backing of large funds, that are being made to put their views before the country. It is the duty of the Pharmaceutical Society to treat minorities tactfully, and to use every endeavour to adjust differences in regard to the representative character of the Conference. It has been stated more than once that an unfettered meeting of London panel chemists expressed dissatisfaction with the terms placed before it, although, to be just, it should be added that the delegates elected by the meeting thought otherwise, as is shown by the voting at the Conference being *nemine contradicente*. We are told also that the Middlesex Pharmaceutical Committee was not represented at the Conference. The fact that Pricing Districts are mentioned obscures this fact and makes it possible that other important areas were unrepresented. The argument has been put forward with some show of merit that in the midst of the Great War an Executive should be given greater freedom of action than usual. To this it may be replied that recent actions of the Executive have not increased the confidence of the electorate. The war is being waged for the overthrow of autocrats, and bodies which neglect minorities are autocratic and cannot expect in democratic States to have a smooth passage for their measures. If the Pharmaceutical Society thought a little less of its own point of view it would realise that the best thing that could happen is for another body to meet and, after public discussion, to submit to the National Health Insurance Commissioners proposals for remuneration which are higher than those approved of by the Pharmaceutical Society. Could more eloquent testimony be given to the Commissioners that the Pharmaceutical Society's terms are moderate and leave no room for bargaining? When Scotland stuck out for and obtained better terms for Insurance dispensing, some resentment was caused that chemists in England and Wales should do the same work for less money. It is not at all unlikely that the Commissioners may make a trial of the Middlesex scheme in the Middlesex area, as this would give them working data which cannot be obtained without a practical trial. So far as we follow the proposals they are founded on the actual figures obtained in the administration of the area, and the Commissioners are bound to give serious attention to any well-considered plan which is placed before them. The main features of the two schemes are shown in parallel columns so that our readers can compare them readily:

L.A.E. Proposals.

1. Fee of 3.5d. for all compound drugs, medicaments, and preparations; also all single drugs exhibited in more than one dose.

2. Fee of 2d. for all single drugs, solid or liquid.

3. Profit of 33½ per cent. on cost of appliances.

P.P.C. Proposals.

1. Flat rate of 4d. on compounded medicines of all kinds.

2. Dispensing-fee of 2.5d. for uncompounded drugs and preparations (including proprietaries).

3. Fee of 1.5d. for each separate transaction in the case of appliances.

The cost price of drugs is agreed to by all parties, and we have left out of account the suggestions as to poison-bottles and ointment-containers, also the proposal in regard to rural areas. The last-named depends upon the backing of the Insurance Committees, which may or may not be obtained according to whether the medical men are able to influence the Committees before the chemists have the opportunity. Those who examine the above comparison fairly will wonder why Bloomsbury Square is so perturbed.

Indian Forest Products.

MR. R. S. TROUP, Assistant Inspector-General of Forests, has written a very useful and interesting pamphlet on the work of the Forest Department of India, in which he describes in a popular manner the main facts connected with the development of forest products generally. After dealing with the history, area, classes, and types of forests, research organisation, etc., Mr. Troup passes on to a description of the forest products themselves, these including gums, resins, barks, leaves, fruits, fibres, etc., all of which fall under the head of "minor produce." The timber-trees are, of course, "major produce," and a paragraph is devoted to each of the principal, the following being typical of those of interest to the drug-trade :

Acacia Catechu, Willd.—The cutch-tree. A moderate-sized to large tree, common in most of the drier parts of India and Burma; grows gregariously on the shingly and sandy beds of streams in the sub-Himalayan tract. . . . Cutch and kath are obtained by boiling down chips of the heartwood. Supply largely utilised, especially in Burma.

Acacia arabica, Willd.—Babul. A moderate-sized to large tree of the drier parts of the plains of India, chiefly in Sind (on tracts irrigated by the Indus), the plains of the Punjab and United Provinces, and the Indian Peninsula generally. . . . Bark used for tanning, pods for cattle-fodder and tanning; also yields a gum. Present supplies generally fully utilised; heavily worked since the outbreak of war for the tanning-industry.

Dipterocarpus turbinatus, Gaertn. f. Gurjan.—A very large evergreen tree of Burma, the Andamans, Chittagong, and Cachar. . . . The tree yields a wood-oil known as gurjun oil.

Pterocarpus Marsupium, Roxb.—The gum-kino tree, bijasal. A large tree of Central and Southern India, extending north to Oudh and the Kumaon Bhabar. Wood yellowish brown, with darker streaks, very hard, durable; used for door and window frames, posts, beams, furniture, agricultural implements, wheels, carts, boats, and many other purposes. The wood when damp is apt to produce a yellow stain. The tree yields a red astringent medical gum known as "kino" from wounds in the bark. Fairly fully utilised where accessible.

Santalum album, Linn.—Sandalwood. A small tree of the Indian Peninsula from the Nasik and Nagar districts southwards, particularly in Mysore, Coorg, and some of the Madras districts—N. Coimbatore, N. Arcot, N. Salem, Bellary, and the Nilgiris. The heartwood is yellowish brown, hard, very close-grained, and strongly scented; it is used for carving and fancy work of all kinds, and is burned as incense, while sandalwood oil is distilled from it. Volume for volume, this is by far the most valuable wood in India; it is sold by weight, and every portion of the tree which yields heartwood of any size is utilised, the heartwood from the roots being the most valuable. Fully utilised.

The forests of India are so rich in minor products of all kinds that only those of proved commercial value are dealt with by Mr. Troup. As regards oil-seeds it is interesting to note that the best known obtained from any Indian tree is that of the Mohwa, *Bassia latifolia*, which is used in India primarily for adulterating ghee, besides being exported to Europe in large quantities: thus, in 1913-14 the total exports amounted to 665,979 cwt., valued at 364,000/-, of which quite 95 per cent. found its way to Germany, but since the war much of the trade has been diverted to England via Bombay. Many of the forest oil-seeds are utilised to a large extent as food and for cooking in India, but as a rule the seeds collected from trees scattered over large areas do not compete with oil-seeds cultivated as agricul-

tural crops, and their collection is only commercially remunerative if they possess special properties, e.g.:

The seeds of *Taraktojenos Kurzii* yield the true chaulmugra oil of commerce . . . the tree is fairly common in Assam, the seeds being exported from the Khasi Hills and sold in Sunamganj. It is also common in the Sylhet and Sibsagar divisions of that Province, while considerable quantities are available from the Rangoon and Shwesgyin divisions of Burma. A very similar oil, which is also a variety of chaulmugra oil, is obtained from the seed of *Hydnocarpus Wightiana*, which is found in the forests of the West Coast, especially in South Malabar, and in the Cochin and Travancore States.

The forests of India are rich in undeveloped tanning-materials, and there is unquestionably a great opportunity for technical research as well as for industrial and commercial development. The study of tanning-materials is being steadily prosecuted at the Forest Research Institute, and with the object of inquiring into the commercial possibilities of preparing tan and extracts, the Government of India have recently secured the services of a tanning expert from England. Among those described are myrabolans, babul bark and pods, mangrove-barks, *Cassia auriculata* (the standard tan-bark of Southern India), leaf tans or sumach, cutch, etc. Among the essential oils described by Mr. Troup prominence is given to sandalwood, rosha (East Indian geranium or palmarosa oil), and lemongrass. There is nothing new to be said about sandalwood, except that the hope is expressed that "the time is not far distant when the whole output of sandalwood required for distillation-purposes will be distilled in India by modern methods, and not exported for distillation abroad." In regard to palmarosa oil, which was dealt with in the C. & D. of July 14, 1916 (p. 787), recent investigations have shown that improvements in distillation can be effected by employing a modern type of steam still, and that by distilling the grass with steam 20 per cent. more oil can be obtained. In regard to wintergreen oil, Mr. Puran Singh, chemical adviser at the Forest Research Institute, is believed to have been the first to show that the oil can be distilled at a profit in India from the leaves of *Gaultheria fragrantissima* collected in Assam during the winter, the fresh leaves giving as much as 0.65 per cent. of oil, or 1.2 per cent. calculated on the dry material. Naturally Mr. Troup gives a detailed account of the Indian pine-resin industry, to which much attention has been devoted of late years, and, judging from his remarks, there is no doubt that eventually India will be able to supply the greater part of her own markets with resin and turpentine oil.

Doing without Germany.

VI.—Russia.

RUSSIA in the past has probably been more dependent on Germany for the supply of many chemical, pharmaceutical, and other industrial products than any other of the Allies. Since the war commenced, however, there has been a concerted movement in many directions to endeavour to do without Germany, whose methods appear to have been, so far as was conveniently possible, to supply the Russian market with finished chemical products from her own factories, or, where that has not been possible or advisable, to set up "factories" in Russia, the chief ostensible aim of which was to turn German semi-raw products into finished articles to be placed on the Russian market as Russian-made goods. In other words, it was purely a mechanical part many of these "factories" played, something akin to the method of producing synthetic indigo in this country before the war. That difficulty Russia is now endeavouring to get over, but it will take time and patience. Further information as to how the Germans did the business in Russia is shown by the following extract from the German Consul-General at Odessa, who before the war reported that

"The most important warehouse for drugs and chemicals in Odessa, which is under German management, had a turnover of 1.1 million roubles in 1901, 1.8 million in 1906, and 3.2 millions in 1911. According to this, sales have almost trebled in the last ten years. Most of the trade

goes to Germany, because the Germans have cultivated the market most assiduously, and the German factories are stated to be more efficient than those of their competitors. Even in cases where German manufacturers sell at a price fixed by agreement with competitors, the Russian druggists prefer to get supplies from Germany, by reason of its proximity and quicker delivery. Another circumstance is that the majority of wholesale druggists are either German or of German descent, or their businesses are managed by Germans. German has become the 'foreign trade' language of the Russian druggists to such an extent that even British, American, and French firms use it in correspondence with Russian houses. Besides the chemical medicaments, patent medicines have made quite considerable advances in recent years. Their sale is effected by advertising on a colossal scale, and, generally speaking, they pay the dealers better than ordinary drugs. The factories established since the last commercial agreement with Germany by Germans and Swiss for the preparation of chemical products have made little progress of late years. Imports of drugs and chemicals into Odessa come chiefly by sea from Hamburg and Bremen. Many articles which used to be bought exclusively in London have been obtained from German sources since the establishment of good sea transport from Hamburg and Bremen.

It is estimated that Russia formerly imported about sixty per cent. of its chemical and pharmaceutical requirements from Germany, and although endeavours have been made by Great Britain and the United States to make up the deficiency, we fear the results have been negligible, especially in regard to the supply of fine chemicals, the shortage in which has been acute, prices having risen to unprecedented heights; *e.g.*, at Odessa, in July, cocaine hydrochloride was quoted at 3,000 roubles per kilo., codeine 1,200r., antipyrine 190r., quinine 200r., phenacetin 300r., salol 90r., aspirin 120r. to 125r., sodium salicylate 40r., and iodine 48r. to 50r. per kilo. These prices, we should think, are sufficiently high to give the necessary stimulus to home industry where supplies of raw material are available. We reported in the *C. & D.* early in September 1914 what steps Russia was taking to remove the blight on her chemical industries, and we then noted the creation in Moscow of an Association for the Development of the Chemical and Pharmaceutical Industries of Russia, which at once commenced operations. Since then many pharmaceutical and chemical products have been manufactured, among them being atropine, caffeine, chloroform, citric acid, creosote and guaiacol derivatives, aspirin, formaldehyde, iodine and iodine compounds, pyramidon, salicylic acid, sodium salicylate, salol, hydrogen peroxide, mercurial salts, anisol, sulphuric ether, acetic anhydride, lanoline, etc. It must be said, however, that the quantities produced have been insufficient to meet the home demands, as such industries on account of the many technical difficulties cannot be established on a large scale during war, while the unrest existing in Russia must have led to a natural lack of co-ordination of effort. We believe, however, much greater progress has been made in the production of industrial chemicals, on account of the fact that Russia has enormous quantities of raw material—*e.g.*, the alkali-industry has always been progressive and prosperous, and there are quite a number of large firms, particularly in South Russia, producing soda compounds and mineral acids, who work together in combination. Great progress has been made in the production of sulphuric acid in the Urals, and perhaps the only real obstacle to the more extensive production has been the unequal distribution of sulphur and sulphur ore throughout the country. Several large companies have been formed to deal with the production of coal-tar colours and the necessary intermediate products, as Russia possesses adequate supplies of primary materials, particularly coal-tar, and much interest is being taken in their development.

The Narcotic Drugs Order.

THE analysis of the Narcotic and Stimulant Drugs Order which was printed in the Coloured Supplement last week concluded with the following words: "There is nothing [in the Order] to prevent a medical man who is in the Forces from writing a prescription from himself." This statement cannot be controverted by the words of the

Order or by any custom as to the functions of medical men. It is an entirely new doctrine that the men who are especially qualified by law to prescribe drugs may not, if they are in the Navy or Army, prescribe them for themselves. The Pharmaceutical Society, however, holds the last-mentioned opinion, and has obtained an *obiter dictum* of the Army Council that under the Narcotic and Stimulant Drugs Order "the prescription must be written by a medical practitioner other than the person for whom it is written." It is, of course, open to the Army Council to amend the Order—in these days this can be done by Government Departments almost by a stroke of the pen—but as at present worded the Order does not bear the construction which it is sought to place upon it by the Army Council and the Pharmaceutical Society. We imagine that the General Medical Council and the British Medical Association would have something to say if the functions of medical men to prescribe were limited in the way suggested. Are we to regard this action of the Pharmaceutical Society as an example of the doctrine which it is at present trying to enforce, that only the Pharmaceutical Society can approach Government Departments? If so, the sooner the Society is held in check the better.

The Advance in Turpentine.

THE position of turpentine oil has aroused considerably more attention during the course of the month, the tendency of prices having been strongly upward, with a rise of fully 5*l.* per ton in one week alone. The price for spot delivery has already advanced to over 65*l.*, or to a level far above anything seen since the war commenced. This quotation does not, however, by any means constitute a "record," for the price some years ago went to about 70*l.* a ton. Reports have been circulated lately in the daily newspapers of the engineering of a "corner" in this market, but there seems to be a good deal of exaggeration in the statements made. The position of the article is admittedly stringent, but it must be remembered that the full effect of the dislocation of supplies from the United States is now being felt because the British market is entirely dependent on such imports, as shipments from other producing countries are insignificant. The stock of French turpentine, for instance, is pretty well extinct, while the supply of Spanish does not amount to much beyond 1,400 barrels. In pre-war times, good quantities of substitute Russian material were received here, but this source of supply was naturally cut off by the war. There is no doubt that the seriously reduced imports from the United States during August of only 598 tons, which show a decrease of 2,179 tons against the same month last year, tend to harden the position; while the total imports for the eight months, of 7,286 tons only, show a deficit of 5,220 tons against the same period last year. During the last few months the London stocks of American spirit have been considerably reduced, from about 32,100 barrels to roughly 25,000 barrels, which, it is true, is still well above the quantity available a year ago. The market, however, is largely governed by the position in America, where prices have, too, risen materially. The question of further imports is obviously complicated by the great scarcity and the dearness of freights, with holders on the spot hard to deal with. During "boom" conditions in the past, the price of spot delivery usually went to a huge premium, but now the fact deserves notice that orders for distant deliveries are difficult to place even at a considerable premium over spot delivery, sellers being more reticent than ever owing to shipping uncertainties. Indications thus point to no important setback in prices in spite of the much-reduced home consumption for varnish-making purposes.

THE STRENGTH OF THE ENGLISH RACE lies in its capacity to live and move in the realm of illusion, of poetry, whereby it discovers the higher truth and enters into the realm of emotion. The German, on the other hand, has deliberately shut himself out from this realm. As a consequence he sees darkly, judges falsely, fatally. He cuts himself off from the tree of life, and by becoming a scientist—"falsely so-called," as the Apostle is careful to specify—is become a beast without a background.—*Captain A. Macphail, M.D.*

Reviews of Books.

Manual for the Essence Industry, Comprising the Most Modern Methods for Making all Kinds of Essences for Liquors, Brandies, Liqueurs, and all Alcoholic Drinks, Fruit-juices, Fruit-wines, and Jams. Also Manufacturing Mineral Waters; Essences of Fruits and other Vegetable Raw Materials; Fancy Lemonades of every kind; Essences for Confectionery, Pastry, and the Kitchen; Manufacturing Colours and Perfumes, as well as Cosmetic and Soap Perfumes, with a full description of Raw Materials and of Laboratory Practice. By E. Walter. 9 $\frac{1}{2}$ in. by 5 $\frac{1}{2}$ in. Pp. 427. 18s. 6d. net. (London: Chapman & Hall, Ltd.)

THE first hundred pages deal with the subject of taste and flavour, raw materials (including esters and fruit acids), methods of manufacturing and analysis. This is followed by a hundred pages on the manufacture of essences for non-alcoholic beverages, fruit-wines, and punches; then follows a similar space allotted to alcoholic liquids, such as liqueurs and bitters; next a hundred pages devoted to confectionery and culinary essences; smaller allotments being made for colouring matters and essences for perfumes and toilet-preparations. The work, it should be noted, is of American origin, and users must remember that the American gallon is 128 oz., or 6 pints 8 oz. imperial measure. There is also a difference in practice in regard to some of the beverages, the ginger-beer essence being, for example, coloured with caramel, whereas the British ginger-beer is required to be a slightly opaque white liquid. The book nevertheless contains many suggestive formulae, and covers ground not hitherto dealt with to any extent in text-books. Used with discretion, it will be of great service to essence-makers.

Allen's Commercial Organic Analysis: A Treatise on the Properties, Modes of Assaying, and Proximate Analytical Examination of the Various Organic Chemicals and Products employed in the Arts, Manufactures, Medicine, etc., with Concise Methods for the Detection and Estimation of their Impurities, Adulterations, and Products of Decomposition. Edited by W. A. Davis, B.Sc., A.C.G.I. Fourth edition. Vol. ix., with index for all the volumes. 9 $\frac{1}{2}$ in. by 6 $\frac{1}{2}$ in. Pp. 836. 30s. net. (London: J. & A. Churchill, 7 Great Marlborough Street.)

WHEN the eighth volume of Allen's work was published in 1914 the intention was announced of issuing a supplementary volume designed to bring the whole work up to date by the incorporation of all processes of analysis and information regarding analytical processes which have appeared in the interval since the first volume was brought out in 1909. The volume now before us is the supplementary and concluding part of the revised edition of Allen's monumental work. It is in keeping with the previous volumes, in so far as it is not written on the plan of Allen's own works, but really represents the copyright of P. Blackiston's Son & Co. in the title, the various portions of the work having been written by specialists in their various subjects. How far the "new" Allen meets the views of the admirers of the "old" Allen must, of course, be a matter for the individual reader; but generally speaking, with the knowledge that Alfred H. Allen was in the habit of consulting specialists whenever possible, one certainly had the advantage in the older work of uniformity of style without any lack of accuracy, which might have been felt if Allen had relied too much on himself for all subjects. The ninth volume is a good book (indeed, it is indispensable to the general analyst), and such criticisms as we have to offer are in no sense fault-finding, but in the hope that when the time comes for a fresh edition again—as surely it will—the publishers and editors may have certain points before them to consider. The principal fault we have to note is that the work bears evidence of having been too long in preparation, which is excusable, bearing in mind the war conditions at present prevailing. An examination of the numerous and useful references indicates that *imprimatur* must have been marked on many of the proofs for a considerable time before they were printed. Although the work is published in the latter half of 1917, one but rarely finds 1916 references. This will be obviated in the next edition, which should be prepared under less strenuous conditions. It is perhaps to be expected that, with the important American interests in this work, one should find the A.O.A.C. methods prominently set out, but it is rather hard on the old readers of Allen. In a text-book of analytical chemistry the following is scarcely necessary in the section on Meat and Meat Products. At the

foot of page 619 the author of the section has made a heading of a paragraph as follows: "Composition of Meat Rations." The paragraph reads as follows: "Gephart and Lusk have made a valuable study of 242 ready-to-serve foods as dispensed by a well-known chain of restaurants in New York City. The various food portions were analysed, their calorific values determined, and a summary given of the cost of 2,500 calories in the various kinds of food purchased." A reference to the paper is given, but we can hardly see what bearing this has on analytical methods. The vegetable alkaloids have been well done by Dr. T. A. Henry, F. O. Taylor, R. W. Tonkin, F. H. Carr and S. P. Sadler, C. E. Vanderklund, O. Chick, E. Horton, J. J. Fox, and P. J. Sageman, who contribute short sections on special alkaloids, the "other vegetable alkaloids" being brought up to date by G. Barger and A. J. Ewins. The whole of these sections occupy about seventy-eight pages. Aromatic acids are adequately dealt with by Edward Horton in a section of thirty-one pages. Three sections have been entrusted to Ernest J. Parry—namely, resins (10 pages), essential oils (20 pages), and special characteristics of essential oils (40 pages). The Editor, Mr. W. A. Davis, deals with sugars, amines and ammonium bases, naphthaline and its derivatives, glycerin, and lactic acid. The work is pretty free from errors, and the revision has been well done. It is well printed and well got up, and all those concerned are to be congratulated on bringing to so successful a conclusion a work which has obviously involved an enormous expenditure of labour.

Work of the Imperial Institute.

A REPORT on the work of the Imperial Institute, presented to the new Executive Council, shows that the various special and technical Committees established under the Imperial Institute Act of last year are now actively at work. The Report states that investigations have been completed into the composition, value, and commercial prospects of a variety of raw materials. Many of the materials examined promise to be useful to British manufacturers, and to find a ready market if produced in commercial quantities, whilst others may form the basis of new undertakings in the countries themselves. In Egypt increased attention is being given to flax-growing. The area under cultivation has been extended, and new seed has been introduced. Samples of copra from Queensland were found to be of good quality, and were valued in London early in the year at 43s. 10s. to 44s. per ton c.i.f. Supplies of similar quality should be readily saleable. This is the second sample of Queensland copra recently examined at the Imperial Institute, and the results effectively dispose of the statements that have been made that Queensland copra is of poor quality. At the suggestion of the Imperial Institute cultivation trials have been carried out in Seychelles with the "ajowan" plant and the "mosquito" plant as sources of the antiseptic thymol, the seed necessary for these trials having been specially procured and sent to Seychelles by the Imperial Institute. Samples have recently been received at the Institute both of ajowan-seed grown in Seychelles and of oil distilled in the Colony from the mosquito-plant. On analysis both products have given satisfactory yields of thymol. An important discovery has been made which closely affects the prosperity of Zanzibar. Both that island and the island of Pemba are largely dependent on their clove-plantations. In the last few years the trees have been attacked by a disease which could not be traced to any fungus or insect pest. As a result of the examination at the Imperial Institute of soils in which affected trees were growing, it has been found that the soils have become acid and deficient in lime and phosphates through neglect of cultivation, and appropriate remedial measures have been suggested by the Institute for trial. The Technical Information Bureau of the Imperial Institute has dealt with inquiries from and relating to almost every part of the Empire. At the request of British manufacturers, steps have been taken to ascertain the prospects of producing within the Empire cocoa of the Guayaquil type, which is extensively used for the preparation of chocolate on account of its characteristic strength and aroma. In view of the present scarcity of potash owing to the stoppage of supplies from Germany, attempts are being made to utilise other available sources of potash, including the waste from wool-washing. Information as to the various processes of extracting potash from wool has been supplied to South Africa, and the possibilities in Australia and New Zealand are also receiving attention.

PALM OIL is largely used in the manufacture of soaps, and is generally bleached with potassium bichromate, which gives a very fine bleach to the oil.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Bournemouth.—At the meeting of the Insurance Committee on September 24, a letter was received from the Insurance Commissioners stating that they were not prepared to vary the grant of 35*l.* towards the additional cost of pricing prescriptions. It was decided to inform the Commissioners that their promise of December 31, 1915, was not being carried out—viz., that any additional administrative funds required to carry out the scheme should be provided by the Commissioners—and that only 28*l.* was required to fulfil this condition, whereas the Treasury had benefited to the extent of 26*l.* by the scheme for this area. In regard to chemists' accounts, the Committee decided that the balance of account in accordance with the figures of the pricing bureau when received, plus an advance in respect of the accounts rendered prior to the prices being available, less a proportion of the amount of the sum allotted in respect of the Pharmaceutical Committee's administration expenses, be duly paid as soon as the figures are received from the Pricing Bureau. It was reported that arrangements had been made for the exemption from military service of Messrs. E. J. Savage, B. Williams, and R. Graham, on account of their being habitually engaged in dispensing medicines. The Panel and Pharmaceutical Committees' administration expenses having exceeded the estimate by 30*l.*, the year's estimate is to be supplemented by 42*l.*

London.—At the meeting of the Insurance Committee on September 27, the Finance Sub-Committee recommended that, subject to the consent of the Insurance Commissioners, the sums of 2,400*l.* and 2,235*l.* respectively be allotted for the year 1917 out of moneys available for the provision of Medical Benefit in London to and for the administrative expenses of the Panel and Pharmaceutical Committees for the County of London, and that payments on account of such sums be made periodically to each Committee; and that a rateable proportion of the administrative expenses of the Pharmaceutical Committee be deducted from each monthly account of persons on the list of persons supplying drugs and appliances. The General Purposes Committee's report, in dealing with the payment of Insurance benefits to members of the Navy and Army Insurance Fund, recommended that representations be made to the Insurance Commissioners with reference to the administration of Sickness, Disablement, and Maternity Benefits to such persons with regard to the difficulties and unsatisfactory position arising out of the present dual control and the indefiniteness of the duties and responsibilities of Committees, and the inadequacy of the sums payable towards the expenses of administration. The Medical Service Sub-Committee reported on three complaints against panel practitioners. In one case it was recommended to deduct 10*l.* from the doctor's account; the second allegation was not substantiated; and in the third instance the practitioner had offered to refund the expense which an insured person had incurred in obtaining treatment for another doctor through his neglect, which offer the report recommended the Insurance Committee to accept. The accounts recommended for payment included 938*l.* 9*s.* 9*d.* due to chemists for the medical year 1916 and 15,921*l.* 12*s.* 8*d.* for 1917.

Notes.

MINISTRY OF HEALTH SCHEME.—The Standing Joint Committee of Approved Societies, the Emergency Committee of the National Association of Insurance Committees, and the Faculty of Insurance, which together represents the interests of some 12,000,000 people, have formulated a scheme for a Ministry of Health which, it is claimed, demands from the Government serious and practical consideration. The scheme suggests the transfer to one Department, under a Minister responsible to Parliament, of all those powers and duties relating to the public health which are now scattered among many offices. The Health Insurance Commission, the Local Government Board, the Home Office, the Board of Education, the new Ministry of Pensions, and the Privy Council Office would all part with some of their present functions. The "Western Morning News" states that Mr. P. F. Rowsell, Exeter, Chairman of the Devon Insurance Committee, who is a member of the Emergency Committee of the National Association of Insurance Committees, approves the scheme, which has taken a long time to devise, bearing in mind the diversity of the interests involved.

SEPTEMBER TARIFF PRICES.—The following are the alterations for September in the Drug Tariff issued by the National Health Insurance Commissioners for England and Wales:

Lower: Acid. benzoic. (synthetic), 2*s.* 10*d.* oz.; ammon. chlor., 1*s.* lb., argent. nit. indur., 3*s.* 2*d.* oz.; argent. proteinat., 1*s.* 6*d.* dr.; sulphonal, 4*s.* oz. **Higher:** Acac. gummi pulv., 3*s.* 8*d.* lb.; acid. acetylisul., 1*s.* 9*d.* oz.; acid. picric, 10*s.* 4*d.* oz.; acid. tannic, 10*s.* lb.; adeps benz., 2*s.* 1*d.* lb.; adeps prep., 1*s.* 10*d.* lb.; argent. nit., 3*s.* oz.; cocain. hydrochlor., 6*s.* 8*d.* dr.; codeina, 5*s.* 1*d.* dr.; codein. phosph., 4*s.* 7*d.* dr.; dec. senegæ conc., 4*s.* 3*d.* lb.; ext. casc. sagr. liq., 2*s.* 8*d.* lb.; ext. opii sicc., 10*s.* 6*d.* oz.; glycer. acid. boric., 4*s.* 8*d.* lb.; glycer. acid. carbol., 3*s.* 8*d.* lb.; glycer. acid. tannic., 4*s.* 9*d.* lb.; glycer. belladon. B.P.C. 2*s.* lb.; glycer. boracis., 3*s.* 8*d.* lb.; glycer. thymol. co. B.P.C., 1*s.* 11*d.* lb.; hydrarg. iod. rubr., 1*s.* 5*d.* oz.; inf. senegæ conc., 4*s.* lb.; lin. ammon., 2*s.* 10*d.* lb.; lin. camph., 2*s.* 6*d.* lb.; lin. opii, 8*s.* lb.; liq. gutta percha, B.P.C., 7*s.* lb.; liq. hamamelidis, 1*s.* 11*d.* lb.; liq. opii sed. B.P.C., 14*s.* lb.; menthol, 1*s.* 4*d.* oz.; mist. sennæ co., 1*s.* 2*d.* lb.; mucilag. acacie, 1*s.* 3*d.* lb.; naphthol, 1*s.* 4*d.* oz.; ol. amygdalæ, 3*s.* 6*d.* lb.; ol. caryoph., 12*s.* 9*d.* lb.; ol. eucalypti., 3*s.* 8*d.* lb.; ol. oliva (sublime), 17*s.* 6*d.* gal.; opium pulv., 5*s.* 4*d.* oz.; pasta zinci et gelatin. B.P.C., 3*s.* 2*d.* lb.; podoph. res., 1*s.* 11*d.* lb.; pot. permang., 18*s.* lb.; pot. tart. acid., 3*s.* 1*d.* lb.; pulv. cretaæ c. opio, 4*s.* 2*d.* lb.; pulv. ipecac. co. 11*s.* 6*d.* lb.; pulv. opii co., 1*s.* 3*d.* lb.; pulv. tragac. co., 3*s.* lb.; quin. hydrochl., 4*s.* 10*d.* oz.; quin. hydrochl. acid., 5*s.* 8*d.* oz.; sac. lact., 2*s.* 10*d.* lb.; sodii arsenas anhydrosus, 4*s.* 9*d.* lb.; sodii carb., 5*s.* 1*d.* lb.; sp. vini meth., 10*s.* 6*d.* gal.; syrupus, 10*d.* lb.; sry. auranti. 1*s.* 6*d.* lb.; sry. cascara aromat., 2*s.* 5*d.* lb.; sry. ferri phosph., 1*s.* 4*d.* lb.; sry. glycerophosph., co. B.P.C., 3*s.* 1*d.* lb.; sry. limonis, 1*s.* 5*d.* lb.; sry. pruni virg., 1*s.* 5*d.* lb.; sry. scilla, 1*s.* lb.; sry. sennæ, 1*s.* 8*d.* lb.; sry. solut., 1*s.* 1*d.* lb.; sry. zingib., 1*s.* 4*d.* lb.; tab. ext. casc. sagr., gr. ii, 0.99*s.* per doz.; ditto, gr. v. 1.4*s.* per doz.; tr. cardam., co., 3*s.* 6*d.* lb.; tr. opii, 9*s.* 6*d.* lb.; tr. opii ammon., 7*s.* 6*d.* lb.; ung. gallæ c. opio, 8*s.* lb.; ung. hydrarg. iod. rubr., 3*s.* 2*d.* lb.; ung. hydrg. oleat., 3*s.* 1*d.* lb.; ung. picis liq., 1*s.* 7*d.* lb.; ung. resinæ, 2*s.* 2*d.* lb.; ung. staphisagrie, 3*s.* lb.; ung. sulphuris, 2*s.* 2*d.* lb.; ung. zinci, 2*s.* lb. **Appliances:** Bandages, grey, open wove, 1-in. by 3-yds. 0.58*d.*, 2-in. by 4-yds. 1.67*d.*, 24-in. by 4-yds. 2.00*d.*, 3-in. by 4-yds. 2.33*d.*, 4-in. by 4-yds. 3.08*d.*; white, 1-in. by 5-yds. 0.71*d.*, 2-in. by 4-yds. 1.83*d.*, 24-in. by 4-yds. 2.25*d.*, 3-in. by 4-yds. 2.58*d.*; crepe, 2-in. 11.00*d.*, 24-in. 12.25*d.*, 34-in. 17.25*d.*; muslin, 24-in. 1.75*d.*, 3-in. 1.98*d.*, 4-in. 2.46*d.*; calico, bleached, 2-in. 1.69*d.*, 3-in. 2.33*d.*; unbleached, 2-in. 1.65*d.*, 4-in. 2.33*d.*; domette, 24-in. 8.50*d.*, 3-in. 9.50*d.*; indiarubber (elastic web), 2-in. 5.75*d.*, 3-in. 7.25*d.* (per yd.); plaster of Paris (on muslin), 2-in. by 6-yds. 6.00*d.*, 3-in. by 6-yds. 7.75*d.* each. Gauzes, per 6-yd. package: Unmedicated, 13.75*d.*; boric, 15.50*d.*; carbolic, 15.50*d.*; cyanide, 15.50*d.*; sal alembrith, 15.50*d.*; sublimate, 15.50*d.*; iodiform, 28.00*d.* Lints: Unmedicated, 1-oz. 4.33*d.*, 2-oz. 6.50*d.*, 4-oz. 13.00*d.*, 8-oz. 25.00*d.*, 1-lb. 45.00*d.*; boric, 1-oz. 2.75*d.*, 2-oz. 4.50*d.*, 4-oz. 8.50*d.*, 8-oz. 16.50*d.*, 1-lb. 32.00*d.* Wools: Cotton, 1-oz. 2.00*d.*, 2-oz. 3.75*d.*, 4-oz. 6.50*d.*, 8-oz. 12.50*d.*, 1-lb. 24.00*d.*; boric, per lb. 26.00*d.*; sal alembrith, per lb. 28.00*d.* Tow, per lb. 7.00*d.* Ice-bags, rubber, helmet-shape, each 90.00*d.*

Association Affairs.

London (E.).—A meeting of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists was held on September 20 at Earlham Hall, Mr. F. Walter Gwinn (President) in the chair. Discussions took place on the position of pharmacists in the Army, and on the attitude of the Council with regard to an advertisement issued by the West Ham Board of Guardians (*C. & D.*, July 28, p. 44). In regard to the latter it was decided to communicate with the Secretary of the Pharmaceutical Society, and urge him to take up the matter with the Local Government Board in view of the fact that the Guardians had not acknowledged his letter. The appeal for subscriptions by the Secretary of the Parliamentary Fund was considered, and although it was felt additional representation in Parliament would be of great benefit, the Association decided that the appeal should remain in abeyance until details of the scheme have been received from the Secretary of the Fund. It was agreed to hold the next meeting of the Association on October 18 at the Progressive Pharmacy Club, Arundel Hotel.

London Panel Chemists.—The meeting of panel chemists which was called for September 25 at Anderton's Hotel, Fleet Street, London, was on one of the nights when the Huns made an aeroplane raid on London. As the raid took place at eight and the meeting was called for nine, the attendance was of the smallest. The consequence was that only an informal meeting was held, and Messrs. Wolff, Kirkpatrick, and Keith were appointed as delegates to lay before the Local Associations Executive the case of the memorialists who are asking for better terms for Insurance dispensing. Mr. Herbert Skinner explained the object of the meeting, which was arranged by the Progressive Pharmacy Club, and took exception to the attacks which had been made on the organisers at the Conference of Delegates on the previous Wednesday. If the Pharmaceutical Society had shown sympathy and understanding no action would have been necessary. He claimed that action is necessary now, as next year there may have been set up a Ministry of Health, incorporating the National Health Insurance Commission. The amount of departmental work which will be involved in this change will tend to crowd

out chemists' claims, and the great unqualified will be another factor against chemists getting better terms.

West Bromwich.—A meeting of the Pharmacists' Association was held on September 25, Mr. Beattie (President) in the chair. "Experiences of a Pharmacist in Canada" was the title of a paper given by Mr. J. Harper, who related his own experiences during a stay in the Dominion, both in the Far West and also as manager of a drug-store in Winnipeg. Numerous questions were asked at the close, showing the keen interest which had been taken in the subject by the audience. Mr. Lock, of Great Bridge, in proposing a vote of thanks, summed up the opinions of the majority—namely, that the British pharmacist can probably find no better prospects than in his own sphere in the Old Country. The Chairman now brought forward a proposition to make a presentation of Squire's "Companion" to Mr. Barnes, who has retired from the Secretaryship owing to his commencing business shortly in Rugby. The proposition was carried unanimously, members expressing their appreciation of Mr. Barnes's services. Mr. J. Harper was appointed Secretary for the remaining period of the year. A few new prices were discussed and adopted.

Medical Gleanings.

Trench-fever.

COLONEL SIR W. P. HERRINGHAM, dealing with trench-fever and its allies ("British Medical Journal," I, 1917, p. 833), states that many drugs—including the salicylic-acid compounds and quinine by the mouth, and salvarsan and antimony by injections—were tried. None had any effect upon the course of the fever. In a few cases aspirin, and in more morphine, relieved the pain temporarily.

Brilliant Green as an Antiseptic.

CAPTAIN C. H. S. WEBB, F.R.C.S. ("British Medical Journal," I, 1917, p. 870), confirms the work of previous investigators as to the potency of brilliant green as a wound antiseptic. He finds that brilliant green is undoubtedly an active and efficient antiseptic; it is non-irritant; it acts well in the presence of serum; it possesses very definite "auxetic" properties; it stains dead tissue green, and in this way may aid the surgeon in determining what to excise; as it is soluble in "saline" it can be used in conjunction with the "salt pack"; and that it can be used after the method of Carré—i.e., $\frac{1}{2}$ oz. to 1 oz. of a 1-in-1,000 solution syringed into the depths of the wound.

Flies as Disease Disseminators.

DR. WM. NICHOLL reports ("British Medical Journal," I, 1917, p. 870) the result of work undertaken to prove the part taken by flies in disseminating bacillary enteritis. He finds that under experimental conditions flies can readily carry and disseminate certain pathogenic organisms; that these organisms are not infrequently met with in flies under natural conditions, particularly in association with outbreaks of infectious diseases; that organisms producing bacillary enteritis are to be met with not infrequently in flies under natural conditions; that a considerable number of organisms resembling enteritis bacilli occur frequently in flies in the natural state, and that the utmost care is necessary in discriminating between these and the true enteritis-producing organisms.

Mercurophen.

MERCUREPHEN, or sodium oxymercury-orthonitrophenolate, is a new antiseptic which is being tested at the Bland-Sutton Institute of Pathology at the Middlesex Hospital, London, W. It is an American product, and its discoverers make the following claims for it:

1. In the "antiseptic test" it exhibits against *Staphylococcus aureus* fifty times greater activity than mercuric chloride; it destroys these bacteria on prolonged exposure in bouillon in a dilution of 1:10,000,000.

2. In a menstruum of ascites fluid it is 200 times more germicidal against *Staphylococcus aureus* than mercuric chloride.

3. By the Rideal-Walker method mercurophen exhibits 10,000 times greater germicidal power against the *Bacillus typhosus* than phenol, and over thirty times greater activity than mercuric chloride.

4. It sterilises ordinary rubber tubing in thirty minutes in a dilution of 1:100,000; mercuric chloride requires a dilution of 1:16,000.

5. The precipitating effect of mercuric chloride on human serum proteins is four to five times greater than that exhibited by mercurophen.

6. Mercurophen administered intravenously in rabbits has a lower toxicity than mercuric chloride.

German News.

MILK-PRESERVATION.—It is now permissible to add 3-per-cent. hydrogen peroxide to milk in the proportion of 333 c.c. in cold weather, and 500 c.c. in warm weather, to each 10 litres.

COAL OIL.—Owing to the scarcity of hydrocarbon oils, liquid sulphur dioxide is being used to extract a viscous golden-yellow mineral oil from coal. The amount obtained is about 10 pints from an imperial ton of coal.

ODOL.—The Dresden Bank and the Deutsche Bank in Dresden have acquired the majority of the shares of the 6,000,000m. share capital of the Lingner Odol Works. In order to make up for the loss of exports during the war the company is stated to have increased the output of soaps for the textile industry. The company is also manufacturing "self-cookers" for the army and a cattle-food.

SUGAR FOR ALCOHOL.—The Spirit Centrale announces in the "Zeitschrift für Spiritus Industrie" that there is no question of any further delivery of sugar to distilleries for the current business year. This announcement is the result of inquiries as to the distribution of sugar, made by many distilleries, on account of the fact that technical reasons necessitated the assigning of some remnants of sugar waste to a small number of distilleries for working into spirit. The Centrale states that no scheme has yet been drawn up by the authorities for the distribution of the necessary raw materials for distilleries in the business year 1917-18, and that no requests from distilleries regarding the assignment of raw materials can be considered.

CHARCOAL PRODUCTS.—An Order for the compulsory declaration of the by-products of charcoal, and of several other chemicals, came into force on June 1. The following are the articles to which the Order applies: (1) Crude wood spirit, (2) methyl alcohol, (3) first, second, and third distillations of wood spirit (solvents or special solvents), (4) acetate of calcium of every kind, (5) acetone, (6) first and second runnings of acetone, (7) acetic acid of all kinds, to be stated according to its acetic-acid content, (8) acetic ether (acetic ethyl ether), (9) formaldehyde (formalin, formol, divided according to strength), (10) paraformaldehyde, (11) amyl acetate, (12) camphor, only artificial (synthetic) camphor, (13) boracic acid, technical and pure, (14) borax, technical and pure, (15) perboric-acid salts, technical and pure, (16) boron in mineral and earth compounds (boracite and pandermite). Everyone possessing, having in his keeping, buying, selling, or using in his business any of these articles, as also all municipalities, authorised bodies, and associations, must declare them on official forms before June 10, should their stock of any article exceed the specified quantity. Goods in transit on June 1 must be declared as soon as they arrive. A stockbook must be kept, showing any alterations made in the stock and how disposed of.

AN HISTORIC BERLIN PHARMACY.—The "Vossische Zeitung" of August 22 gives the following account of an old pharmacy in Berlin: "Whereas Berlin's oldest business-houses scarcely ever date from earlier than the eighteenth century, we possess several *apotheeken* (pharmacies) whose origin can be traced back to the seventeenth. One, indeed—Simon's Apotheke at the corner of the Spandau and Propst Streets—was founded in the Middle Ages. A Berlin *apotheke* is mentioned in a document dating from 1354. Originally there was only one *apotheke* for Berlin and Kölln. In 1488 it came into the hands of Hans Zehender. His *privilegium* (licence) was given by the Town Council of both towns, and contained a clause stating that no second *apotheke* should be admitted into the towns. This is the *apotheke* known to-day as Simon's. From Zehender the transmission of the business can be traced from one possessor to another down to the present time, as is proved in the 'Mitteilungen des Vereins für die Geschichte Berlins.' In 1572 the *apotheke* passed from the Zehender family to that of Hohenwein. In 1620 it was acquired by a certain Lorenz Bethell; in 1643 by Joachim Tonnenbinder. Under his successor the business, till then carried on in the fish-market, was removed (to its present position). This is shown by two documents of 1720 and 1721 respectively. In 1707 Henning Christian Marggraff had opened an *apotheke* at the corner of Spandau Street and the so-called Propst Alley. Of course, he could not find a new one without a *privilegium*, so he leased Tonnenbinder's licence from the Berlin magistracy in consideration of a yearly payment. Tonnenbinder's *apotheke* in the fish-market must therefore have been closed then. For his new shop Marggraff received a special licence to secure him when the term of Tonnenbinder's came to an end. By a Royal order of 1721 Marggraff's licence was indissolubly united with Tonnenbinder's. The present building dates from 1900."

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, September 27, 5.30 p.m.

So far as drugs and Mincing Lane produce are concerned markets are flat, but at the same time values are firm generally owing to freight uncertainties. There is a fair demand for heavy chemicals, but it cannot be satisfied owing to the scarcity of supplies. This applies particularly to caustic soda and other soda compounds, like bicarbonate, soda crystals, and alkali. Acetic acid supplies have been taken over by the Government, and can only be dealt in with a permit. Cream of tartar is likely to remain at present famine rates for an indefinite period. Tartaric and citric acids are steady. Albumen remains firm. Sumatra and Palembang benzoin have been sold at full auction rates; cascara sagrada is steady. Flat Calisaya cinchona at auction brought higher rates. Clove oil is selling at higher rates. American peppermint oil is quiet, and sandalwood very firm; copaiba is unchanged. Among fine chemicals phenacetin is lower following on a decline in the United States, and buyers are few. Potassium iodide is in good demand.

Higher	Firmer	Easier	Lower
Anise oil, star	Acetanilide	Phenazone	Ammon.
Cinchona (flat	Hexamine	Potash	ichthosulph.
Calisaya)	Milk-sugar	bromide	Phenacetin
Cinnamon	Paraldehyde	Resorcin	Phenol-
Clove oil	Peppers	Salicylates	phthalein
Copper	Sassafras oil		Shellac
sulphate	Sulphonal		
Hen yolk	Tartaric acid		
Isinglass	Terpin		
Mace (W.I.)	hydrate		
Quinine	Wax, Veg.		
Turpentine	(Jap.)		

Cablegram.

NEW YORK, September 26.—Business in drugs is fair. Peppermint oil in tins has advanced 20c. to \$3.40. Cartagena ipecacuanha is higher at \$2.50, likewise Mexican sarsaparilla at 39c. per lb. The following are also dearer: Jalap at 23c., taraxacum-root at 40c., and Oregon balsam of fir at \$1.00 per American gal.

ACETANILIDE.—An advance of 5c. per lb. was made by all the leading American makers on September 11, the New York spot quotation being 55c. per lb. Some holders in London are now asking 3s., but a trifle less will still buy.

ACETIC ACID.—The Government has assumed control of all supplies, and business can only be done with a permit.

ALBUMEN.—Sellers of primo hen quote from 3s. 4d. to 3s. 6d. per lb. on the spot as to quantity. *Hen yolk* is dearer at 35s. spot for Chinese, 2-per-cent. boric acid, with few sellers.

ALOES.—The exports from the Union of South Africa during June 1917 amounted to 35,875 lb., valued at 425l., against 189,771 lb., valued at 1,946l., in June 1916. During the six months ended June 30, 1917, the exports were 149,348 lb. (1,488l.), against 699,503 lb. (6,612l.) during the corresponding period of 1916.

AMMON. ICHTHOSULPHONATE is again lower, with offers of Japanese make in easel lots at 1s. 10d. per lb. net.

ANISE OIL, STAR, is dearer, with spot sales of Red Ship brand at 4s. 4½d. per lb.

ASPIRIN of B.P. quality remains without change at 14s. 6d. per lb. spot, and slightly less forward.

BENZOIN.—Sales of fair Sumatra seconds have been made at 9l., also ordinary barky Palembang at 120s. to 130s. per cwt.

BLOOD-ROOT is offered at 10½d. net on spot.

BROMIDES are unchanged, with a steady demand. Potash is being cut rather severely in one or two quarters, but some refuse to sell under 6s. 3d. net for crystals, and do business at the price; sodium is 2s. 6d. and ammonium 4s. per lb.

BUCHU.—The exports from the Union of South Africa during June amounted to 9,665 lb., valued at 1,435l., against 6,607 lb., valued at 789l., during June 1916. During the six months ended June 30, 1917, the exports amounted to 98,979 lb., valued at 16,055l., against 102,331 lb., valued at 16,797l., during the corresponding period of 1916.

CALCIUM CARBIDE.—The Minister of Munitions has taken possession of all stocks in the United Kingdom over 5 lb. (see p. 33).

CAMPHOR (REFINED).—Japanese refined slabs remain firm at from 3s. 6d. to 3s. 9d. spot, and for October-November shipment 3s. 1½d. c.i.f. has been paid, while 1-oz. tablets have been sold at 3s. 7½d. c.i.f.

CASCARA SAGRADA is steady on the spot, fair being obtainable at 100s. per cwt. in ton lots.

CHILLIES.—At auction 160 packages Japanese offered, and 43 packages damaged sold; fair to good bright red were bought in at from 65s. to 71s.

CINCHONA.—At the tender to be held at Amsterdam on Wednesday, October 3, 1,361 packages, weighing 120,615 kilos, Java manufacturing bark will be on offer, the quinine-content being 7,375 kilos. The average percentage is 6.11. The auction to be held at Amsterdam on October 4 will consist of 503 bales and 281 cases pharmaceutical bark, weighing 47,092 kilos, the quinine-content being 1,137 kilos. The first-hand stock at Amsterdam on September 13 consisted of 856 packages Government and 4,168 packages private bark, including the first-hand packages to be offered on October 3 and 4. At the London auction on Tuesday 71 bales East India offered and mostly sold, including Succirubra stem quilly chips and shavings at from 1s. 3½d. to 1s. 3½d. and natural quill at 1s. Of Calisaya 676 bales offered and 14 sold, comprising good cultivated flat drug-gists at 2s. 1½d. to 2s. 3d., being much dearer.

CINNAMON is dearer; no quotation is available for Ceylon firsts; seconds are quoted at 2s. 9d., thirds at 2s. 6d., and chips at 9d. to 10d. on spot.

CITRIC ACID is steady at 3s. 3d. per lb. on the spot.

CLOVE OIL is dearer, English distillers asking 13s. per lb. CLOVES have been steady but quiet, fair Zanzibar closing on spot at 1s. 6d. per lb.

COCA-LEAVES.—There will be no auction of coca-leaves at Amsterdam on October 4.

COPAIBA remains unchanged, with U.S.P. quality offering at 4s. 8d. on the spot, and B.P. at about 5s. Genuine Para is offered at 3s.

COPPER SULPHATE has further advanced to 64l. to 65l. per ton f.o.b. Liverpool for the usual 98-per-cent. pure.

CREAM OF TARTAR.—With a continued starving market 290s. per cwt. is readily obtainable on the spot.

FORMALDEHYDE.—Current quotations remain unchanged at from 125l. to 135l. per ton for 40-per-cent. on the spot.

GINGER.—Quiet. At auction 257 bags washed rough Cochin were bought in at 68s. to 70s., and 172 packages brown rough Calicut at 65s.; 130 bags more or less wormy Sierra Leone were retired at from 52s. 6d. to 57s. 6d., and 60 bags limed Japanese at 47s. 6d.

GUAIACOL CARBONATE is offered at 124s. net on the spot, and guaiacol liquid to come forward at 90s. per lb.

YPECAUANHA.—Practically nothing is now offered below 11s., and that for ordinary wiry Matto Grosso, while the best lots are held for 12s.

MARSHMALLOW-ROOT is offered at 112s. per cwt. on the spot.

MENTHOL.—Sales of Kobayashi-Suzuki in combination with oil are reported at 15s. 6d. per lb. c.i.f. for October-November shipment; spot is quoted 13s. 6d.

MILK-SUGAR is rather firmer and in fair inquiry, with sellers of limited quantity at 25s. per cwt. on the spot.

OPIUM remains unchanged, supplies on spot continuing exceedingly limited, and for good testing Persian buyers would probably have to pay 65s. per lb. No Turkish is available.

PEPPER is firm, with fair black Singapore offering on the spot at 1s. 0½d., Tellicherry at 1s. 1d., and Alleppy at 1s. 0½d. Singapore *white* on the spot is 1s. 2½d., basis fair, and Muntok has been sold at 1s. 3½d.

PEPPERMINT OIL.—American in tins continues quiet, with spot sellers of finest at 16s. net.

PHENACETIN.—With a lower market in the United States there are now cheaper spot sellers at 68s., and for forward delivery 58s. is quoted.

PHENOLPHTHALEIN is offered at the lower rate of 72s. 6d. on the spot for U.S.P., with forward delivery at 65s.

PIMENTO.—At auction 222 bags were bought in at 4*1/2*d.; privately spot sales have been made at 4d.

POTASH IODIDE.—Makers report a good demand, the official quotation for 1-cwt. lots being 11s. 7d. net, but competition would be met. Japanese make for forward delivery is offered at 10s. 6d. net.

QUININE.—As previously reported, makers are well sold ahead, and one of the Dutch factories have now raised their price of sulphate in bulk to 2s. 8d. per oz. in large quantities, at which orders have been booked. Second-hand holders on the spot quote 2s. 11d.

RESORCIN is on the easy side, with spot offering at 65s. net, but forward delivery is quoted 66s. 6d.

SACCHARIN.—Parcels of American afloat offer at 350s. and October shipment at 360s. per lb. net, duty paid, for 550.

SAFROL is offered at 2s. 6d. per lb. on the spot.

SALICYLATES.—The tendency in U.S.A., according to a New York advice of September 12, is easier both for salicylic acid and salicylate of soda, which offer down to \$1.45 in New York. Spot (London) prices are unchanged at from 6s. 11d. to 7s. and forward delivery 6s. 8d.; sodium salicylate powder afloat is offered at 8s. 3d. and forward at 7s. 11d.

SANDALWOOD OIL.—English distillers quote finest quality from E. I. wood at 56s., and for oil distilled by the Mysore Government and imported direct 53s. is quoted.

SASSAFRAS BARK is offered on spot at 1s. 5d. net.

SASSAFRAS OIL is still in upward tendency, spot holders of American natural asking 4s. 9d.

SHELLAC.—Following on a reduction in the Calcutta rupee price the spot market declined at the beginning of the week to 220s. to 225s. for usual standard TN Orange quality, but subsequently the tone was steadier, spot closing on Wednesday at 225s.; fine orange is 295s., and AC Garnet 250s.

SODA CAUSTIC.—It is still difficult to find supplies, and quotations are more or less nominal at from 50*l.* to 55*l.* per ton for 70 to 72 per cent. An American advice of September 11 reports a rise to \$10.00 per 100 lb., due to the fact that the demand exceeds the supply for the time being, with producers well booked ahead for next year.

SULPHONAL is firmer at from 42s. 6d. to 43s. 6d. per lb. net for crystals or powder as to seller.

TARTARIC ACID is steady at 2s. 11d. per lb. for spot supplies.

TERPINEOL is in fair demand, with spot parcels offering at from 2s. 8d. to 2s. 9d. per lb., as to seller.

TERPIN HYDRATE is firmer, with sales at 3s. per lb.

TURPENTINE.—Early in the week the spot quotation touched 66s. 3d., but later receded to 66s.; a good business has been done.

WAX, BEES'.—Fair sales of Abyssinian are reported at 9*l.* 17s. 6d. per cwt.

WAX, VEGETABLE.—Japanese is firmer at 80s. per cwt. on the spot.

American Drug and Chemical Markets.

New York, September 5, 1917.

Business has been very quiet during the month. Price changes lack importance and favour decline.

ACETANILIDE.—Several sales have been put through on the basis of 50c. per lb., which is manufacturers' schedule.

ACID, BENZOIC.—It is now possible to purchase as low as \$2.75, and it looks as if \$2.50 will be the ruling figure.

ALOES (CURACAO).—In better demand, but prices have not changed owing to arrivals.

ANTIPYRIN.—Supplies are extremely scarce on spot. Goods subject to arrival are offered at \$23.00 per lb.

CASCARA.—The new peel is held at higher prices owing to increased cost, due to lack of labour. The price quoted is 12*1/2*c.

COPPER SULPHATE.—Manufacturers have reduced prices to the basis of 9c. in car lots, which was a surprise, as dealers were expecting an advance.

MENTHOL.—It is possible to secure one or two cases on spot at \$3.00, but holders are firm at \$3.10 for five or ten cases.

MILK-SUGAR.—Orders for export amounted to about 18 tons, which have been executed on the basis of 42c.; some holders are asking 50c. per lb.

PEPPERMINT OIL (AMERICAN).—Spot stocks of bulk oil held at \$3.00. Reports from the country do not speak well of the yield expected from this year's planting.

SODA BENZOATE.—It is possible to purchase as low as \$2.50.

Liquorice-juice.

The following report, received from an important Italian source, is of interest, especially while prices are so high and

likely to go still higher: "Prices quoted to-day for either sticks or blocks vary between 900 and 1,000 Italian lire per-100 kilos, f.o.b., plus export tax, delivery from December or January next at sellers' option, and in my opinion 1,000 lire will be the ruling price at the start of the season, but we shall see much higher prices during the first half of next year. I have it from a most reliable source that the Spanish liquorice-juice season is going to be an utter failure, and several large works in Italy will remain closed altogether, as men, managers, and owners have been called out for military service. Coals have gone up to about 1,000 lire per ton delivered at the works in the interior. Rail trucks to carry coals and liquorice-root are obtained with the greatest difficulty; while railway transports now cost quite double, and the liquorice-root itself is sold at 'unheard-of' figures." As regards the London spot market supplies for this season are extremely limited, and there has been great difficulty experienced in effecting shipments from Italy to the United Kingdom. Further, from important information received in London it is more than likely that freights are to be again considerably increased, together with war-risk insurance. The position regarding liquorice is also applicable to other Italian produce, such as cream of tartar, tartaric acid, citric acid, etc., which must inevitably advance in sympathy with the difficult position.

Arrivals of Chemicals, Drugs, etc.

THE following arrivals have taken place at the Ports of London and Liverpool:

To London.	Oils, essential, 56 drms. 246 cks.; anise, star, 100 cks.; synthetic oils, 29 cks.	Albumen, 9 brls.
(September 8 to 14.)	Oils, fixed: castor, 394 brls. 816 cks.; palm, 114 cks.; sperm, 31 cks.; wood, 1,328 <i>v.</i>	Antimony, 40 tons
Acetic acid, 300 brls.	Ointment, 730 <i>v.</i>	Antim. sulph., 18 cwt.
Aloes, 7 ccs.	Opium, 30 ccs.	Araroba, 172 ccs.
Amidopyrin, 1 ccs.	Orpiment, 36 cks.	Argol, 31 cks. 109 bgs.
Ammon. ichthosulph., 13 ccs.	Orris oil, 1 ccs.	Bleaching-powder, 244 drms.
Argol, 904 tons	Paraldehyde, 6 ccs.	Bromides: ammon., 3 ccs.; potash, 5 ccs.; sodium, 20 ccs.
Arsenic, 1,200 cwt.	Petroleum jelly, 65 brls.	Celluloid, 500 <i>v.</i>
Balsam pern., 10 ccs.	Pills, 43 <i>v.</i>	Dental goods, 493 <i>v.</i>
Benzoic acid, 6 kgs.	Poppies, 11 bgs.	Drugs, unrated, 100 brls. 57 bgs. 2 pkgs.
Betanaphthol, 31 brls.	Pumice stone, 14 tons	Dyestuffs, unrated, 10 brls. 15 pkgs.; dye extract, 10 brls.; gambier, 2,988 ccs. 665 bgs.; sumach, 250 bgs.; tanning ext., 200 cks.
Bromides: sodium, 80 cwt.	Quinine, 65,000 oz.	Galls, 10 ccs.
Cachou de lavel, 20 cks.	Roots, barks, herbs, etc. (bols.): angelica, 2; belladonna, 22; colchicum, 5; heliocere-root, 25; kava-kava, 3; lavender-flow., 8; marjoram, 54; mint, rubbed, 20; rose leaves, 3; thyme leaves, dried, 161	Glycerin, ref., 4 drms.
Calc. citrate, 4 cks.	Rosin, 1,355 cks.	Glycerocephosph. lime, 2 ccs.
Camphor, 530 ccs.	Sal hepatica, 5 ccs.	Iodine, 879 kgs.
Carbon black, 840 ccs.	Salicylic acid, 28 brls. 4 pkgs.	Methyl acetone, 75 drms.
Carbon tetrachlor., 28 drms.	Salol 25 ccs.	Methyl salicyl., 10 ccs.
Chemical prod., unrated, 172 brls. 47 pkgs. 40 cs.	Saltpetre, 7,976 cwt.	Nuts and kernels: arachis, 35 tons 3,468 bgs.; copra, 7,248 bgs.; palm, 64,746 bgs. 75 tons
Chloral hyd., 2 ccs.	Sarsaparilla, 2 bgs.	Oils, fixed: arachis, 250 ccs.; cod, 229 cks.; cod liver, 556 brls. 89 cks.; cotton-seed, 1,000 brls.; fish, 1,500 cs.; fusel, 11 drms.; palm, 1,046 cks. 131 butts. 20 pns.; rape, 1,000 cs.; seal, 347 brls.; whale, 3,150 brls. 72,000 cwt.; turpentine, 1,218 brls.; wood, 100 cks.
Cinchona, 434 bgs.	Seeds (bgs.): canary, 698; caraway, 27; castor, 7,026; coriander, 980; fenugreek, 224; linseed, 11,014; pockets; tanners' bark, 1,768 tons	Pyrogallic acid, 5 cs.
Cream of tartar, 4 cks.	Ergot, 20 bgs.	Rosin, 503 brls.
Cubes, 10 bgs.	Formaldehyde, 112 brls.	Seeds: anise, 10 cs.; castor, 4,522 bgs.
Dental goods, 2,317 <i>v.</i>	Formic acid, 220 dmjbs. 61 chys.	Soda hydroxide, 8 cs.
Dragon's-blood, 9 cwt.	Gelatin, 2,794 <i>v.</i>	Soda nitrate, 57,555 bgs. 160 cks.
Drugs, unrated, 42 <i>v.</i>	Gentian, 30 bgs.	Starches, 12,898 bgs.; farina, 650 bgs.
drugs and herbs, 313 bgs.	Glycerin, dist., 557 <i>v.</i>	Tallow, 1,065 pkgs.
Dyestuffs, unrated, 555 cwt.; dyewood ext., 30 brls.; indigo, 60 chts.; fustic ext., 25 brls.; myrrabolan, 845 pkgs. 11,014 pockets; tanners' bark, 1,768 tons	Gums: acacia (cwt.), 14,802	Thorium and cerium nit., 5 cs.
Indigo, 60 ccs.	Helichore-root, 25 bgs.	Vaseline, 870 <i>v.</i>
Indigo, 60 ccs.	Henna-leaves, 6 bgs.	Wax, bees', 9 bgs.
Indigo, 60 ccs.	Herbs, dried, 63 bgs.	Wax, carnauba, 3 bgs.
Indigo, 60 ccs.	Jahip, 36 bgs.	Wax, paraffin, 1,184 brls.
Indigo, 60 ccs.	Kola, 4 cwt.	Wax, veget., 50 cs.
Indigo, 60 ccs.	Loofahs, 11 <i>v.</i>	
Indigo, 60 ccs.	Methyl sal., 12 cs.	
Indigo, 60 ccs.	Milk sugar, 50 brls. 200 cs.	
Indigo, 60 ccs.	Mineral white, 539 <i>v.</i>	
Indigo, 60 ccs.	Myrrh, 8 cwt.	
Indigo, 60 ccs.	Nuts and kernels (cwt.): arachis, 28,094; copra, 24,365; palm-kerne, 31,260; other sorts, 588	
Indigo, 60 ccs.	Wax, not described, 9 cs. 15 brls. 41 bgs. 807 pkgs. 3,051 bgs.	
Indigo, 60 ccs.	Talc, 410 <i>v.</i>	
Indigo, 60 ccs.	Tallow, 1,498 cwt.	
Indigo, 60 ccs.	Tragacanth, 145 cwt.	
Indigo, 60 ccs.	Turmeric, 30 cks.	
Indigo, 60 ccs.	Wax, paraffin, 29,381 cwt.	
Indigo, 60 ccs.	Zinc oxide, 1,930 brls.	
Indigo, 60 ccs.	To Liverpool.	
Indigo, 60 ccs.	(September 10 to 15.)	
Indigo, 60 ccs.	Acetic acid, 286 brls.	

To London.	camphor, 25 cts. and 250 ^l ; eucalyptus, 40 cts.	To Liverpool.
(September 15 to 21).		(September 17 to 22).
Acetic acid, 111 brls.		Acetone, 191 drms.; methylthylketone, 118 drms.
20 cbrs.		Albumen, 100 cks.
Alcohol, wood, 7,751 gals.		Argol, 146 bgs.
Alumina sulph., 450 brls.		Balsams, 2 brls.
Antim. reg., 72 tons;		Bromides: ammon., 20 cts.
crude, 20 tons		Calc. acetate, 307 bgs.
Argol, 1,539 bgs.		Castorum, 1 cts.
Argyrol, 1 cts.		Cerium nit., 2 cts.
Arsenic, 100 cwt.		Coca-leaves, 28 bbls.
Barbitone, 3 cts.		Copaiba, 25 cts.
Bromides: potash, 10 cts.		Cream of tartar, 8 cts.
Calc. citrate, 53 cks.		176 cks. 12 brls
Calumba, 38 bgs.		Drugs, unrated, 60 bxs.
Camphor, 175 cts.		1 pkg. 54 cts. and 39 ^l .
Chemical products, unrated, 4 cts.		Dyestuffs, unrated, 3 pkgs.: chestnut ext., 535 brls. 485 cks.; dyewood ext., 200 ^l ; logwood ext., 451 cks.; mimosa ext., 615 bgs.; myrrabolans, 22,000 pockets 3,985 bgs.; oak bark, 300 bgs.; queritron ext., 560 bxs.; sumach, 400 bgs.; tanners bark, 1,418 bls.; tanning ext., 1,372 brls.; wattle-bark, 5,177 bls. 283 bgs.
Chloral hyd., 5 cts.		Gum chicle, 50 bls.
Coal-tar intermediates: benzyl acetate, 1 cts.; diphenylamine, 6 cts.; 1 cts.; diphenylmethane, 7 cts.		Lactic acid, 4 cts.
Cream of tartar, 40 kgs. 36 pkgs.		Liquorice-juice, 111 cts.
Dental goods, 3,539.		Medicines, 190 ^l .
Digitalis leaves, 83 bgs.		Nujol oil, 500 cts.
Drugs, unrated, 167.		Nuts and kernels: palm-kernels, 28,481 bgs. 678 tons and 2,488 ^l ; ucububa, 46 bgs.
Drugs and herbs, 83 pkgs.: herbs, dried, 84 bls.; roots and herbs, 13 bls.; malefern root, 22 bls.; mint, 9 bls.; angelica-root, 3; witchhazel leaves, 29 bls.; manorake root, 10 pkgs.; leaves, dried, 28 ^l ; linden-blossoms, 12 hampers; calamus, 7 bls.		Oils, essential, 13 cts.: bergamot, 1 cts.
Dyestuffs, unrated, 40 pkgs.: fustic ext., 50 brls.; gambier, 1,207 cts.; indigo, 141 cts. 45 cts. 131 pkgs.: logwood, 11 tons; myrrabolans, 11,779 pockets 7,698 bgs.; quebracho ext., 40,000 bgs.; sumach ext., 25 brls.; tanners' lark, 317 tons		Oils, fixed: cod-liver, 12 drms.; palm, 983 cks. 6 lbs. 68 pkgs.; rapeseed, 250 cts.; whale, 3,660 cwt.
Formaldehyde, 11 brls		Petroleum jelly, 402 cts.
Fuller's earth, 3 tons		Phenacetin, 5 cts.
Galls, 360 ^l .		Potash muriate, 1,100 bgs.
Gamboge, 46 cts.		Potash nitrate, 940 bgs.
Gelatin, 7,740 ^l .		Pyrogallic acid, 4 cts.
Gentian root, 106 bls.		Rosin, 2,226 brls. 171 cks.
Gums (cwt.): acacia, 3,553; copal, 120 ^l ; damar, 150; oilbamum, 536; tragacanth, 284		Salicylic acid, 22 brls.
Henbane, 87 bgs.		Senega-root, 9 bgs.
Ippecacuanha, 12 bls. 15 cts.		Soda nitrate, 2,500 tons
Kola, 398 cwt.		Soda sponge, 66 bls.
Lead acetate, 13 brls.		Starches, 1,330 bcs. 25 brls. 1,100 cts.; farina, 1,450 bgs.
Medicinal preps., 385 ^l .		Stearine, 321 bgs.
Nuts and kernels (cwt.): arachis, 99,480; copia, 38,420; palm-kernels, 17,780		Surgical instru. and goods, 171 ^l .
Oils, essential, 292 cts. 96 drms. 5 brls.; anise, star, 25 cts.;		Tartaric acid, 100 kgs.
		Turneric, 60 cks.
		Urodonal, 39 cts.
		Vacuum flasks, 78 ^l .
		Valerian-root, 6 hmprs.
		Vanilla, 26 cts.
		Verdigris, 8 cts.
		Wax, not described, 512 bgs. 285 pkgs. 100 cts.
		Wax, bees', 19 bgs. 12 cts.
		Wax, paraffin, 1,650 brls. 516 cts. 407 bgs. 3,300 ^l .
		Wax, vegetable, 41 bgs.

Japanese Glycerin.

H.M. Commercial Attaché at Yokohama reports that the manufacture of glycerin was first commenced in Japan in 1916, when plants were established under Government auspices and with the aid of Government subsidies. The output is increasing, but cannot as yet meet the entire home demand, and refined and semi-refined glycerin is still being imported into Japan from the United States. Imports of glycerin into Japan in 1916 amounted to 800,830 kin, compared with 509,915 kin in 1915, 1,716,912 kin in 1914, and 1,430,922 kin in 1913. Until recently Japanese fish oil was used as a basis for the manufacture of glycerin, but with the expansion of the industry animal fat from Australia and coconut oil from the South Seas is being used. The use of bean oil is under investigation, but the stability of the product for use as a constituent of dynamite has not yet been determined.

AMERICAN AMMONIUM SULPHATE.—The production of sulphate of ammonia in the United States in 1916 is estimated to have been 325,000 tons, or 75,000 tons more than in 1915.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Irish Council Election.

SIR.—I think every young pharmacist and those interested in pharmaceutical statistics will agree with me that, in order that their interests should be properly steered, a general reform is necessary in the Pharmaceutical Council. In the coming years the young chemists of this country will be confronted with work of a totally different nature from what our elder brethren have been having, and for our interests to be best served young blood is needed in the Mount Street jurisdiction. The outgoing members, in their canvass for re-election, emphatically say that they have worked strenuously to protect pharmacy from external boycotting. If this is so, who is responsible for allowing grocers and hardware-merchants in the country towns where there is a Medieval Hall to retail deadly poisons? In past years Irish pharmaceutical statistics have been but poorly represented, and the Council has become stale and obsolete. Therefore, in order that we may be enabled to cope with the large amount of work which we shall be confronted with, and in order that our modern ideas of pharmacy may be best served, we need undoubtedly to put in young men with modern ideas, and not the old school, who originally adopted the old "red-tape policy," and persist in clinging to it.

Yours truly,

L. H. PARKES, M.P.S.I.

32 Upper Baggot Street, Dublin.

SIR.—The Council election of the Pharmaceutical Society of Ireland will take place on October 1, and I have just received the voting-paper. There are fifteen candidates for the seven vacancies—namely, the seven retiring members and eight "new bloods." I am only a young member of the Society, this being my third time of voting, but so far as I can see the candidates never submit to the electors a programme of the work which they intend to do beyond the ordinary routine. In the bundle of canvassing letters which I have received there have been vague references to "protection of our interests," etc., but surely there are plenty of reforms needed which would bear specifying. Mr. Hanina certainly mentions a few items which are to have his attention if he is elected, and so far as he goes he is in the right direction, but he barely touches the fringe of the subject. A clear statement on the part of the candidates of the work they intend to do would be much more acceptable to the average pharmacist, and certainly more businesslike than vague and evasive promises. The seven retiring members in a joint letter refer us to their record. I have a copy of that record before me. In three cases it is very creditable, but as for the other four I cannot understand anyone being proud of a record of three, two, eleven, eleven respectively attendances at Council meetings, and not one single attendance at examinations during their three years' tenure of office. Of course, the argument that country members cannot be expected to attend as regularly as those from the city holds good to a certain degree, but why should anyone seek a place on the Council if he cannot give reasonable time to its business, or if he only discovers his inability to attend after being put to the test, why seek re-election?—Yours truly,

Ballybofey, co. Donegal.

A. E. FERRIS.

Meeting of Panel Chemists.

SIR.—Will you permit me to inform your readers that the air-raid on the evening of September 25 effectually prevented the holding of the mass meeting of panel chemists at Anderton's Hotel, as had been arranged, and there was only a small informal gathering of pharmacists, to whom Mr. Herbert Skinner made an explanatory statement. He also read the draft resolutions, which showed that it was intended, if the meeting had approved, to ascertain if the Local Associations Executive would be willing to take charge of the memorial now being so extensively signed and communicate its terms to the Insurance Commissioners. Unfortunately, it will not now be possible to hold the meeting before the L.A.E. assembles on October 2, but three delegates have been appointed to approach the L.A.E. May I also intimate that the formal opening of the Progressive Pharmacy Club, fixed for next week, will necessarily be postponed, because of the prevalence of air-raids?

JOHN HUMPHREY, Hon. Secretary.

65 Park Road, Battersea Park, S.W. 11.

Dentists Act Committee.

SIR.—In view of the appointment of a Departmental Committee to inquire into the practice of dentistry by unqualified persons, and the probable legislation following same (*C. & D.*, July 21, p. 35), it behoves all members of the drug-trade practising dentistry to be on the alert and protect their interests. The Committee of the Dental Society of Ireland have prepared a statement of their case, which they are sending to all their members, with a covering letter requesting them to forward it to their respective M.P.s, asking for their support when the question comes before the House of Commons. The Dental Society of Ireland is anxious that all members of the drug-trade practising dentistry in Ireland who are so far not members of their Society would send a postcard, with name and address, to the Hon. Secretary, Mr. J. D. Carse, 233 Woodstock Road, Belfast, when he will send a copy of the statement referred to, so that they also can forward it to their M.P.s, asking for their support on our behalf.

J. D. CARSE, } Hon.
D. S. BENNETT, } Secretaries.

The Way of the Autocrat.

SIR.—In reading the report of the Conference of Delegates from Pharmaceutical Committees (*C. & D.*, September 2, p. 45) I was struck with the following paragraph:

"Mr. Glyn-Jones gave the Conference some illustrations of the dangers besetting any Society whose members allowed the influence of its executive body to be undermined by any outside action."

Quite so, but isn't that typically English in the assumption that the Pharmaceutical Society are doing the right thing in the right way? I am all for united action on the right lines; and a United Council which really could and did lead us would have an absolutely free hand in the drug-trade. But are they right, have they ever done the right thing for the last thirty years? They have not. And we all know it, and that is why chemists are in such a parlous position in 1917, apart from our own exertions as individual traders. Mr. Glyn-Jones was evidently hitting at a certain progressive body in London which seems to be unsettling certain of our worthy pharmaceutical councillors. Your report does not tell us what illustrations were used by Mr. Glyn-Jones, but I can give you a few to show that, when an Executive are in the wrong and refuse to listen to the demands of interested parties outside the Executive, their Executive heads may be taken from them as well as their power, all of which has happened in England before to-day:

- (1) King Charles I. lost his head and his power to the outsiders.
- (2) The French aristocrats ditto, with the execution scene well in evidence.
- (3) The American Colonies were lost to England by the blundering of the English Executive.
- (4) The Wesleyans and other bodies were lost to the Church of England by high-handed treatment.
- (5) The English Church was removed from Ireland through the wrong methods of its Executive.
- (6) Napoleon came a cropper because he failed to recognise when Europe had had enough of his executive ideas.
- (7) And William the Second to none is going to get Napoleon's medicine, and many chemists' sons are helping to mix the dope for William.

When an Executive have to adopt frenzied resolutions to prove that their words are the best rather than allowing their deeds to prove their words to be best, then it looks to me as if that Executive are (as a body) afraid they are going to be impeached for their complete failure to deal with the altered conditions of the drug-trade during the last thirty years. I have no connection with any progressive body, but if any such body of men take the right line they will succeed, and a Government Department of Health would at any rate not neglect our young labour nor force high fees on them merely to have money to spend on dream after dream, as the Pharmaceutical Council has done for thirty years.

JAY MACK.

SIR.—As a modest and dutiful follower of things pharmaceutical through THE CHEMIST AND DRUGGIST, chiefly because of its freedom from special pleading, I was greatly struck by your report of the special meeting of delegates at Bloomsbury Square. The country has been consulted after a fashion, and delegates were appointed from each pricing area who were to be called upon for reference should negotiations fail. Since negotiations have not even begun, I scarcely expected to be called upon to present myself.

However, a meeting was called to confirm what the various pricing areas had already decided. And we say we have no organisation! It would seem to be super-organisation. Of course, there was nothing to do but listen to the old story and steady the trembling limbs of the Local Associations Executive at the impudence of the Progressive Pharmacy Club daring to say that we are still dissatisfied at the spurious majority which stated that London accepted the figures of the Local Associations Executive. Alas! that the Club's effort to strengthen the official action should be so misunderstood. To announce this to an expectant crowd must have cost over 50*l.*, and all out of the deductions from the chemists' accounts! The pious futility of the Exeter delegate was a sad blow to our Scottish friends, who believe in negotiating off their own bats. It subsequently developed into an attack on individuals by the Parliamentary Secretary, such as took place at the last Conference. The Councillor attacked was not present, so Mr. Jones was safe from any reply.

SIGMA. (141/69.)

The Wages Question.

SIR.—It seems hardly worth while commenting on matters of salary, present and prospective, when so many of the men mostly interested are out of the country, or at least temporarily, let us hope—out of the ranks of pharmacy. We all ought to welcome the signs of "5*l.* a week" as the value of a qualified man. Ten and fifteen years ago it was "three guineas" as the minimum. Fifty years ago it was not greatly below this. I myself got 120*l.* per annum outdoors in 1875. We progress at a very slow rate when some of us are amazed at 5*l.* a week. In fact, as things are—cost of living, etc.—it is not enough. Some persons have been writing as if 250*l.* a year or so was something big. Certainly every man in business ought to make this at the least, and every man now in the store trade could without much trouble. The difference between the man in business and the assistant pharmacist may not be great financially, but the former can always save and invest. The assistant cannot under present conditions, and the outlook is not pleasant for him in his old age. It is useless formulating on behalf of absent men, who if and when they come back will not care for old and obsolete methods and systems. The young women who are doing the work of the absent ones are not doing it badly, and I believe they will be kept on, for the most part, after the war and used as a lever. In some of the big stores the saving must be great. I happen to know that many do the same work at a big reduction, and then get only a moiety of commission.

X. Y. Z.

Economy in Strawboard.

SIR.—The useful note in the *C. & D.*, September 22, p. 36, in which Dr. J. F. Tocher makes good suggestions for the utilisation of straw, makes me hope that paper and strawboard will be the articles manufactured. A month ago you called attention to the need for conserving supplies of strawboard (*C. & D.*, August 25, p. 35), and as I hear large quantities are being supplied for a special purpose, there will soon be a serious deficiency—first, in all classes of card-board; next, in brown paper; and, lastly, in printing and writing paper. Prices for all of these have gone up, but the increase is nothing to what will shortly be experienced, so it is of the utmost importance that the most rigid economy should be exercised by all who use paper or card in any form for packing-purposes. Now that wood is practically unobtainable for cases, resort has had to be made to brown card-board; but there will soon be such a shortage of material for this class of work that tradesmen who depend on boxes for carrying on business will have great difficulty in procuring needed supplies. The hint need not be wasted on retail chemists.—Faithfully yours,

WHOLESALE. (91/19.)

Pharmacists in the Army.

SIR.—During a recent visit to a large military hospital which employs five dispensers, three being women, I found that the lady in charge, like the other dispensers of her sex, had the Hall qualification. One of the orderlies was a Minor man, receiving the pay of a private. May I suggest that when the chemists on the Select Committee appointed by the Army Medical Department meet they should point out that a chemist should not be placed in such a subordinate position just because he has been loyal enough to enlist? There should be a pharmacist in charge of all military hospital dispensaries. There is also a point which is worth attention—that is, steps should be taken to acquaint the military authorities that the unfortunate title "Minor" examination does not denote a qualification inferior to that of the Hall.

Faithfully yours,

FORMICA. (26/9.)

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

G. W. (140/70).—SALE OF BLAUD'S PILLS.—The description "Blaud's Pills: Pil. Ferri B.P., gr. v.," with dose, does not render these pills liable to stamp-duty. This is in accord with what the Board of Customs and Excise informed us in 1904. Some years afterwards we were further informed that if the pills were recommended for the prevention, cure, or relief of any disease, they would be liable to duty when sold by unqualified vendors.

W. S. M. (141/52).—CARRYING ON BUSINESS.—Section 3 (1) of the Poisons and Pharmacy Act requires each chemist's business to be in charge of a chemist by directing it to be *bona fide* conducted by a qualified person. It is obvious that you could not be in two places at once, and that consequently both businesses would not be *bona fide* conducted by you. The agreement with the Insurance Committee for Insurance dispensing is also to the same effect.

Anxious (138/23).—SALE OF POISONS BY WHOLESALER.—The business of wholesale dealers in supplying poisons in the ordinary course of wholesale dealing is exempt from the provisions of Sections I.—XV. of the Pharmacy Act, 1868. Wholesale dealing is held to include sales to retailers, medical men, and others who use poisons in their profession or business. It is for you to consider whether you are acting *bona fide* in this matter, as you are not qualified and keep a retail shop.

Antipyrine (135/29).—(1) Every assistant is entitled to a weekly half-holiday. If you are in attendance (the shop must not be open) on the evening of the early-closing day you are not obtaining your statutory holiday. (2) It is illegal to keep a shop open after 8 P.M. for selling even medicine and medical appliances; the shop can only be kept open and lighted for such time as is necessary for serving the customer. The fact that you have a wine-and-spirit licence enabling you to sell wines until 8.30 P.M. makes no difference in regard to the chemist's part of the business.

S. O. S. (134/49) asks what are the chances, and probable cost, of obtaining an injunction in the following circumstances: Opposite to his shop is a small shed in the occupation of a motor mechanic, whose main business is the repair of motor-cars and motor-cycles. After repairing an engine the mechanic runs it for the purpose of testing it, and the noise is "deafening, and it is frequently quite impossible to hear a customer speak." [The noise would constitute an actionable nuisance, to restrain which an injunction would be granted if the annoyance thereby occasioned to "S. O. S." materially interferes with the ordinary comfort of human existence. In deciding this question the Court would take into account all the circumstances, including the character of the locality. Injunctions are not granted readily in such cases as "S. O. S." describes, and it is for him to decide whether the facts warrant the institution of legal proceedings. It is impossible to estimate the cost of such proceedings.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

M. M. W. (80/34).—BELLADONNA LINIMENT is made from the root extract, and a liniment made from the green extract would be different in colour. It would be possible, however, to separate the chlorophyll from the green extract (by dilution, heating, and straining), and to prepare a liniment containing the same amount of belladonna alkaloids as the liniment made by the formula of the British Pharmacopœia. There is, however, a difference between the alkaloids of the leaves and root, caused by the difference in the proportion of hyoscyamine and atropine contained in the two parts of the belladonna-plant.

C. R. (132/44).—SOLID BRILLIANTINE.—See *C. & D.*, August 21, 1915, p. 60.

*Wartime (134/53).—*We cannot recollect having published any recipes for boot-polish containing casein.

H. C. R. (129/5).—ACRIFLAVINE.—The first reference to the use of acriflavine (at that time called flavine) was in the

C. & D., January 27, p. 102. The reports which have appeared subsequently have dealt mainly with the applications for licences to use the patent which covers the manufacture.

P. S. C. (137/4).—STINGING NETTLE, or *Urtica dioica*, has the reputation of being astringent, diuretic, and tonic. The stinging properties were formerly thought to be due to formic acid, but the irritant is probably an unformed ferment. An infusion of the herb is made of the strength of 1 oz. to 1 pint of boiling water, the dose being a wine-glassful. The tops, gathered in the spring, are used as a pot-herb, and the stalk for producing a coarse textile material. *Nettle-beer* is made as follows:

Green nettles	...	...	1 peck
Dandelion-root	...	...	2 oz.
Bruised ginger	...	...	1 oz.
Yeast	...	...	1 oz.
Coltsfoot	...	...	2 oz.
Brown sugar	...	...	2 lb.
Cream of tartar	...	...	1 oz.
Boiling water	...	...	3 gals.

The yeast is added to the warm liquid, which is allowed to work for twelve hours; it is then skimmed and bottled. The beer is ready for use in a few days.

B. & M. (141/49).—LUMINOUS PAINT.—See *C. & D.*, June 24, 1916, p. 52, for Balmain's formula.

F. R. (141/59).—HAIR-FIXING CREAM.—See *C. & D.*, February 12, 1916, p. 60.

*Amylum (140/60).—*There are no restrictions on the use of potato-starch, but cereal starches may not be used for any other purpose than as food.

T. B. H. (139/61).—FRENCH CHALK is a hydrated silicate of magnesia, while Vienna chalk is white and soft variety of slaked lime containing magnesia. For the latter prepared chalk may be employed when it is required in the variety of furniture-revivers which have sediments.

Vigilant (137/12).—SHAMPOO-POWDER FOR DRY USE.—See *C. & D.*, August 18, p. 56.

*J. E. J. (132/9).—*We think that on the whole you cannot improve on your suggestion to preserve the freak-turnip in a jar of methylated spirit.

T. E. G. (136/71).—BRITISH PHARMACOPÆIA.—We published in *The Chemist and Druggist Diary*, 1915, formulae for the galenical preparations of the British Pharmacopœia in Imperial measure. These had previously appeared in *THE CHEMIST AND DRUGGIST*, and it was to meet a demand that the formulae were reprinted in the *Diary*.

A. J. R. (138/27).—Ball's "Pharmacopœia Domestica Nova," dated 1750, consisting of about a hundred pages, is worth about 5s. to a collector.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Sept. 14, 1867.

Report on the Paris Exhibition.

Italy makes a comparatively good display both of chemical and pharmaceutical products. The show of sulphur is a very fine one, specimens more or less good being contributed from nearly every locality producing this valuable element. Next in importance comes the exhibition of Count Lardarel, who shows a series of products obtained from the boracic acid lagoons that he has worked so profitably for himself and his adopted country. There are only one or two exhibitors of citric acid, and that only in the form of salts. Fonzio, of Palermo, who throws down the acid with lime, is absent from the present display. D'Emilion shows sublimed chloride of ammonium and iron in large orange red masses, that seem, from their colour, to be of very uncertain composition. He also shows some beautifully white acetate of potash. Muralta shows several tartar products; and the quinine salts of Dufour are better than many shown either in France or Germany. They also show large crystals of mannite. This sugar is manufactured in large quantities in Italy at the present time, Milan alone producing no less than 29 tons per annum. Heriot shows mannite and various chemicals, among them carbonate of ammonia of beautiful quality, sublimed in tubes. Scerno shows hyposulphite of magnesia, which has been recommended by several Italian doctors as an excellent aperient refrigerant.

Pharmacists desiring to build up a trade in these much sought-after preparations are invited to write for particulars of Advertising Aids and terms for Window Shows.

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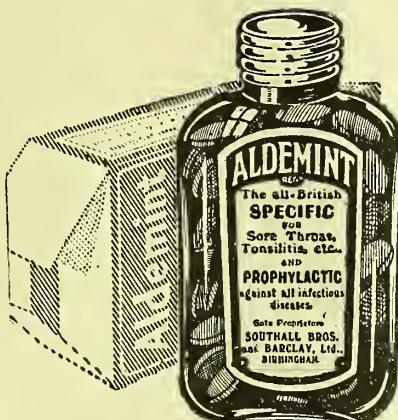
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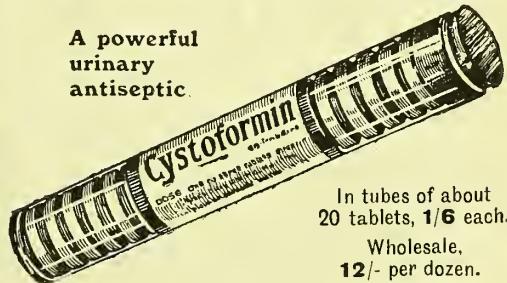
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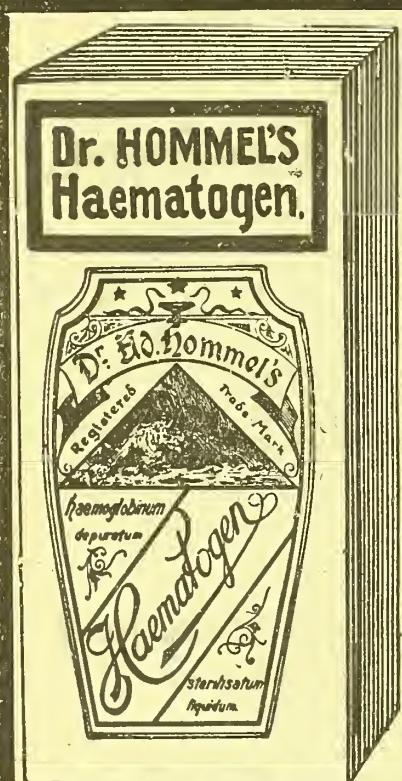
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organs and revives the normal equilibrium, it has a
lasting effect by reason of it rebuilding the organs, thus
correcting diminutional function.Opolaxyl is put up in small size tabular form, and
should be swallowed without crunching at bedtime or
before breakfast. In bottles of 50 tablets.Dose: For obstinate constipation 2 or 3 tablets, afterwards
one tablet every three or four days for a month.DRUGS AND
CHEMICALS.

Extracts

- ," Liquid
- ," Soft
- ," Dry

Glycerophosphates

- ," Calcii
- ," Ferri
- ," Magnesii
- ," Manganesii
- ," Sodii
- ," Potassii

Acid Salicylic

Sodium Salicylate

Methyl Salicylate

Salol

Phenacetin

Aspirin

Sodium Sulphite, cryst.

- ," Sulphite anhydr.

Acid Pyrogallic

Acid Benzoic

Saccharine

Arecoline Hydrobrom.

Atropine Sulphate

Eserine Salicylate

Eserine Sulphate

Homatropine Hydrobrom.

Hyoscinae Hydrobrom.

Valerianates (various)

Coumarin

Paraphenylenediamine

etc. etc.

Inquiries Solicited for
large and small quantities.



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SURGICAL LIQUID

*The Ideal Germicide
and Antiseptic*

*For Surgical
and general use*

Specially recommended for Sterilizing and Disinfecting the Skin before Operations; the Treatment of Wounds; Antiseptic Purposes in Internal Operations; Disinfection of the Hands; Sterilizing Linen, Dressings and Utensils. Soluble, Neutral, Non-Corrosive, and Cleanly in Use.

Contains over 50 per cent. of Cresylic Acid, and is a saponaceous antiseptic, free from any caustic effect. With water it gives a clear solution.

Case containing
6 doz. 4 oz. bottles,
5/- doz.
Case containing
3 doz. 8 oz. bottles,
7/6 doz.
Case containing
2 doz. 16 oz. bottles,
12/6 doz.
Case containing
1 doz. 32 oz. bottles,
21/6 doz.

Telephone :
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1 gallon drums,
7/9 gallon.
5 gallon drums,
7/8 gallon.
10 gallon drums,
7/7 gallon.
40 gallon drums,
7/6 gallon.

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Acid Acetic 80% Acid Acetic Glacial
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(Crystals and resublimed)
Hydroquinone Rhodol (Metol)
Trional (Methyl Sulphonate)
Morphine Salts Acid Tannic
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A high-grade
Toilet Soap of
marked Antiseptic
properties.
Non-irritating.
Agreeably perfumed.
Lathers in hard water.
Assists the complexion.
Heals cuts & abrasions.
Invaluable in the
Nursery.

TOILET SOAP in 3-tablet boxes.
SHAVING STICKS, each in a carton, packed half-dozen
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Stocked by all Patent Medicine Vendors and the Principal Stores.

N.B.—Prices quoted herewith are for preparations according to the New Pharmacopœia, 1914.

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Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below:

N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Aacetanilide, B.P., 1 lb. @ 3/9 lb.; 7 lbs. @ 3/6 lb.; powder, 1d. lb. extra.	Argent. Nit., 6's to oz., 25 oz. @ 3/- oz.; 1 oz. 1/4 @ 3/1 oz.	Creta c. Camph., 7 lbs. @ 1/1 lb.
*Acet. Ipecac., B.P., 6 lbs. @ 1/11 lb.	Argent. Nit., Cryst., 25 oz. @ 2/11 oz.; 8 oz. @ 3/- oz.	Gall. Pulv., in sacks, 10 cwt. @ 12/- cwt.; 1 cwt. @ 13/- cwt.; 14 lbs. @ 1/4d. lb.
,, Scilla, P.B., 6 lbs. @ 7/6d. lb.	Arsenic, Alb. Pulv., 2 cwt. @ 110/- cwt.; 7 lbs. @ 1/1 lb.	Praparata, 7 lbs. in box @ 1/3 each.
*Acid. Acet. Glacial, 99%, 6 lbs. @ 3/11 lb.	Atropina Sulph., P.B., 1 oz. @ 135/- oz.	Culpeperæ, English Ground, 28 lbs. @ 3/8 lb.; 7 lbs. @ 3/10 lb.
,, Acetyl-Salicyl, 1 lb. @ 18/- lb.	Auri Chlor., 6 doz. 15 gr. tubes @ 2/73 doz.; 1 doz. 15 gr. tubes @ 27/6 doz.	
,, Benz, B.P., 1 lb. @ 23/6 lb.		D ec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/1 lb.; Sincoroco, 6 lbs. @ 1/4 lb.
,, Boric Pulv., 3 cwt. @ 71/- cwt.; 1 cwt. @ 73/- cwt.; levigd. cwt. or lb. extra.		*, " Cinchona (Rubra) Conc., 1-7, 6 lbs. @ 2/3 lb.
,, Carbol. Xts., 39/40; 56 lb. drums @ 1/11 lb.; 12 1-lb. Bots. @ 2/3 lb.; Single Bots. @ 2/6 lb.; Detached Cryst. 1 lb. @ 2/8 lb.; Crude Black, 45 gall. casks @ 1/6 gal.; 5 gal. drums @ 2/6 gall.; 1 gall. tins @ 3/- each.		*, " Senegæ Conc., 6 lbs. @ 2/11 lb.
,, Citric, cryst., B.P., '85, 7 lbs. in bags @ 3/6 lb.; powder, 1d. lb. extra.		
,, Diethylbarbituric, 1 oz. @ 9/- oz.		E mp. Spread, 12 yards x 16 ins. adhesives, 6/- Bellad. B.P.C., Green @ 28/6; Cerat. Saponis @ 12/4; Picis Co. @ 12/4; Plumbi @ 10/-; Resinæ @ 7/6; Roborans @ 11/6; Saponis, B.P., @ 10/-
,, Gallic, pur., P.B., 7 lbs. @ 6/9 lb.; 1 lb. @ 7/- lb.		Emp. Picis, P.B., 7 lbs. @ 1/3 lb.
,, Hydrobrom. 6 lbs. @ 1/8 lb.		,, Plumbi, P.B., 7 lbs. @ 1/3 lb.
,, Hydrochlor. Coml., cases of 4 2-gall. jars, 40/- each; 20 case lots @ 39/- each.		,, Resinæ, P.B., 7 lbs. @ 1/3 lb.
*, " Hydrocyan. P.B., 6 lbs. @ 1/7 lb.; 1 lb. @ 2/- lb.; 36 1-oz. Vials @ 7/6 doz.		,, Roborans, 7 lbs. @ 1/3 lb.
,, Oxalic Cryst., 1 cwt. @ 1/11 1/2 lb.; 14 lbs. @ 2/11 lb.		Emulsiol Ol. Morrhæa, 5 lbs. @ 1/6 lb.
,, Phosph. Dil. B.P., 6 lbs. @ 6d. lb.		Eserine Sulph., in 15-grain tubes, 8/9 each.
,, Salicyl. pulv. 1 lb. @ 9/- lb.		Ess. Bergam. (Oil), 12 lbs. @ 21/- lb.; 1 lb. @ 22/- lb.; not guaranteed absolutely pure.
,, Sulphur, Coml., cases, 4 2-gal. jars. @ each; 20 cases @ each.		Ess. Limonis (oil) original coppers, 12 lbs. @ 4/3 lb.; 6 1-lb. bots. @ 4/9 lb.; not guaranteed absolutely pure.
,, Sulph. Aromat. B.P., 5 lbs. @ 4/8 lb.		*Ess. Moschi (not artificial), 5 lbs. @ 14/6 lb.; 1 lb. @ 15/- lb.
,, Tannic, B.P., 1 lb. @ 7/6 lb.		*Ess. Pear (artificial), Jargonne, 5 lbs. @ 3/9 lb.; Bergamot, 4/3 lb.
,, Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 3/2 lb.; parv. 1d. lb. extra.		*Ess. Pineapple, 5 lbs. @ 4/- lb.
		*, " Raspberry, 5 lbs. @ 2/3 lb.; 1 lb. @ 3/- lb.
Adeps Benz., B.P., 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 lb.		*, " Vanilla Beans, 5 lbs. @ 5/- lb.; 1 lb. @ 5/3 lb.
Ærugo Aëris Pulv., 14 lbs. @ 2/6 lb.		*Ext. Belladonnae Liq., B.P., 5 lbs. @ 19/- lb.; 1 lb. @ 19/6 lb.; solid, 7 lbs. @ 11/- lb.
Aloes Barb., Englisch-ground, 28 lbs. @ 120/- cwt.; 7 lbs. @ 1/3 lb.		Ext. Cannab. Ind., Alc., B.P., 1 lb. @ 80/- lb.
Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/7 lb.		Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 2/3 lb.; 10 lbs. @ 2/5 lb.
Aloin, B.P., 1 lb. @ 5/6 lb.		*Ext. Ergot. Liq., B.P., 5 lbs. @ 4/8 lb.; 1 lb. @ 5/1 lb.; Solid, P.B., 4 lbs. @ 20/- lb.; 1 lb. @ 21/- lb.
Ammon. Benz., 1 lb. @ 28/6 lb.		Ext. Gent. P.B., solid, 1 cwt. @ 2/5 lb.; 7 lbs. @ 2/8 lb.
Ammon. Brom. P.B., 7 lbs. @ 5/- lb.		*Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 3/1 lb.
Ammon. Carb. lump, 3 cwt. @ 7 1/2 lb.; 28 lbs. @ 8 1/2 lb.; 7 lbs. @ 9d. lb.; powder, 1d. lb. extra.		*Ext. Hamamelis Liq., P.B., 5 lbs. @ 4/1 lb.
Ammon. Chlor., 99% pulv., 1 cwt. @ 66/- cwt.; 7 lbs. @ 8d. lb.; Batteries, 6/- cwt. extra.		Ext. Hyoscyam. Solid, B.P., 3 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb.
Amyli Pulv., 10 cwt. @ 1 cwt.; 2 1/2 cwt. @ cwt.; 1 cwt. @ cwt.		*Ext. Ipecac. Liq., P.B., 5 lbs. @ 18/6 lb.; 1 lb. @ 19/- lb.
Aniseed, English ground, 1 cwt. @ cwt.; 7 lbs. @ 1/4 lb.		Ext. Malti c. Ol. Jecoris, 10 lbs. @ 1/- lb.
Antim. Nig. Pulv., 7 lbs. @ 11d. lb.		*Ext. Nuci Vom. Liq., P.B., 5 lbs. @ 5/- lb.; 1 lb. @ 5/3 lb.; solid, 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10 lb.
Antim. Tart. Pulv., 7 lbs. @ 4/- lb.		Ext. Opii Solid, P.B., 1 lb. @ 130/- lb.
Apioi, 1 lb. @ 27/6 lb.		*Ext. Opii Liq., B.P., 5 lbs. @ 8/9 lb.; 1 lb. @ 9/3 lb.
*Aqua Anethi Conc. 1-40, 1 lb. @ 3/8 lb.		Ext. Quassia, Solid, 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.
,, Anisi Conc. 1-40, 1 lb. @ 3/8 lb.		Ext. Sarsæ Co. Solid, 7 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.
,, Aurant. Conc. 1-40, 1 lb. @ 6/11 lb.		
,, Aurant. Trip., 6 lbs. @ 10d. lb.; 53 lbs. for 35/-		F erri Ammon. Cit., P.B., 28 lbs. @ 3/2 lb.; 7 lbs. @ 3/4 lb.
,, Cinnam. Conc. 1-40, 1 lb. @ 4/1 lb.		Ferri Carb., 14 lbs. @ 6d. lb.
,, Laurocerasi, 6 lbs. @ 9d. lb.		Ferri et Quinina Cit., P.B., 100 ozs. @ 1/0 1/2 oz.; 25 ozs. @ 1/1 oz.
,, Menth. Pip. Conc. 1-40, 1 lb. @ 3/9 lb.		Ferri Sulph., pure cryst., 1 cwt. @ 3/- lb.
,, Rosæ Conc. 1/40, 1 lb. @ 7/9 lb.		Ferrum Redact., 80%, 1 lb. @ 7/10.
,, Rosæ Trip., 53 lbs. for 37/-; 6 lbs. @ 10d. lb.		Flor. Anth. Exot., 7 lbs. @ 4/2 lb.
,, Samb. Conc., 1-40, 1 lb. @ 6/11 lb.		Fol. Buchu, oval, 7 lbs. @ 6/- lb.
,, Samb. Trip., 6 lbs. @ 10d. lb.		Fol. Sennæ Alex. parv., 28 lbs. @ 1/1 lb.
Araroba, fine powder, 7 lbs. @ 9/6 lb.; 1 lb. @ 10/- lb.		Export, 12 Winchester Quarts assorted through London Merchants or Bankers. cases extra.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted;

NOTE.—Only terms, Net Cash with order without discount, or orders accepted

Goods carriage forward; all packages free; Export

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EMETINE HYDROCHLORIDE
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JUNKET TABLETS

THE most convenient method for making Junket. Each tablet is sufficient for one pint of milk.

In tubes containing
20 tablets,
4/6 per dozen.

(Own Name and Address on
3 dozen.)



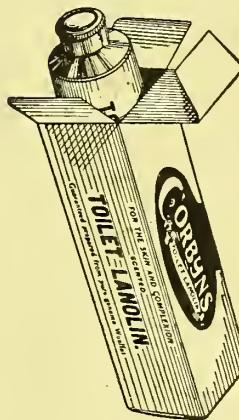
TOILET LANOLIN

Scented or Unscented.

1 oz. tubes ... 4/6 per dozen.
2 oz. ... 7/- ..

Cartons, 6d. and 9d.
per doz. extra.

(Own Name and Address on
3 dozen.)



COMPOUND SYRUP OF FIGS.

A PERCENT medicines until recent years were generally unpalatable and occasionally very nauseous, but with the advances in pharmacy it has been increasingly possible to present medicines in a more palatable form, at the same time maintaining their efficiency.

CORBYN'S NEW Compound Syrup of Figs is composed of carefully selected fruits and spices of Eastern origin and has been pronounced by those who have already had supplies a particularly luscious and elegant form of this time-honoured remedy.

We have been told by several pharmacists that it has met with general appreciation, and although perfectly adapted for administration to adults by virtue of its palatability, has leapt into the immediate favour of all the young folk, and we confidently recommend it to customers who are looking for a line that will please their clients.

Packed in white glass panelled flats, elegantly labelled and cased, own name on three dozen.

2-fl.-oz. 4/6 per dozen. 6-fl.-oz. 9/6 per dozen.
4-fl.-oz. 7/3 " 8-fl.-oz. 12/9 "
(Own Name and Address on 3 dozen.)

LANOLIN COLD CREAM.

A SUPERIOR Cold Cream, delicately scented with Otto. Handsomely put up in squat opal pots with neat gold labels.

8/- per dozen.

LANOLIN.

HYDROUS.

ANHYDROUS.

ADEPS LANÆ, B.P.

PRODUCED in our own laboratories from British Material by British Labour with British Capital.

"The sample which we have seen is a first-rate product, and bears out the contention of the makers. It possesses all the desirable qualities of the best quality Lanolin—the faint pleasant characteristic odour, the cream colour and the ideal consistency. We doubt if a better Lanolin could be produced."—*Pharmaceutical Journal*, July 10, 1915.

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THE CHEMIST & DRUGGIST & SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, SEPTEMBER 29, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED THE MONEY IS TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus, Cannon, London." (Three words counted as two.)

EARLIER CLOSING FOR PRESS.

WILL intending Advertisers please note that until further notice all Advertisements for THE CHEMIST AND DRUGGIST SUPPLEMENT must be in the Publisher's hands not later than

FIRST POST THURSDAY MORNING,

to be available for the issue published in that particular week. Owing to restricted postal deliveries it is advisable to post all communications on the Tuesday preceding the date of issue. Advertisements received after the time indicated will be inserted in the following week's issue.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—SURREY (Suburban).—Good middle-class Retail and Dispensing Business; returns show a steady increase and are now over £1,600; well-appointed shop, handsomely fitted in mahogany, in modern style and fully stocked; vendor will accept first reasonable offer.

2.—HACKNEY.—Brisk Ready-money Business; held by Vendor upwards of 25 years, now retiring; returns average between £1,100 and £1,200 per annum; net profit one-third; Vendor's own property; new lease; price £550.

3.—LONDON, S.W. (Distant Suburb).—Retail and Dispensing Business; very good connection with local Medical men; returns last year £1,870; net profit £461 (proof given); price £850; stock and fixtures recently valued at £650.

4.—KING'S CROSS (within easy distance of).—Established Business; Retail, Prescribing, and N.H.I. Dispensing; returns last year £1,000; net profit, after paying every expense, £386; proof given; large Shop, with comfortable residence and private entrance; rent £50 yearly; price £600.

5.—LONDON, N.—Situate in good position in the main road, Ready-money Business; increasing income; returns £1,200 (present rate); modern fitted shop and ample stock; comfortable residence, with garden; offer wanted; illness cause of sale.

6.—RICHMOND, SURREY (near).—Very old-established Business; held by Vendor many years, now retiring; returns about £870; profits above the average; first reasonable offer will be accepted.

7.—LONDON, N.—Situate in main shopping thoroughfare, well-established Business; increasing income; returns between £1,000 and £1,100; profits exceed the usual rate of middle-class business; well-fitted shop and comfortable residence, with garden; price £600.

8.—SUSSEX (Health Resort).—Dispensing and Retail; good class; returns between £1,400 and £1,500; gross profit £570; well-appointed shop and good residence, vendor selling on account of ill health; about £1,000 required.

9.—THAMES VALLEY.—Ready-money Business, situate in a favourite residential suburb; returns (present rate) about £2,000; well-appointed shop, fully stocked; the business will bear the fullest investigation; about the value of stock and fixtures required.

10.—KENT.—Thoroughly sound Ready-money Business in busy market town, returning upwards of £1,000; capital premises; rent moderate; to effect a quick sale the vendor will accept valuation of stock and fixtures.

11.—HANTS (Seaport).—Established Business; Retail, Dispensing, and Prescribing; returns £600 at good prices; rent £30, on lease; price about £250.

12.—WILTSHIRE.—Partnership (half share) for disposal; Ready-money Business; returns £50 weekly, with scope for development; profits above the average; comfortable residence with garden; rent £59; price £450.

13.—HEALTH RESORT (within easy reach of London).—Established Business; capital situation; returns, under management, about £12 weekly; scope for development under personal supervision; attractive double-fronted shop, with comfortable residence attached.

14.—SOUTH COAST.—Mixed Country, Retail, and Wholesale Business; entirely unopposed; returns about £1,400 at fair prices; terms, small premium for goodwill; stock and fixtures at valuation.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street Fenchurch Street E.C.3.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—SOUTHERN COUNTY (Fashionable Town).—High-class Retail and Dispensing Business, in fine position; returns over £2,000; elegantly fitted Pharmacy, modern front, and heavily stocked; price £1,000.

2.—DEVON (Market Town).—Good-class Business; under management returns average £1,300; central position; splendid premises; fully stocked; owner on active service; price, valuation, or reasonable offer entertained.

3.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; excellent house, bathroom, etc.; very best position; well stocked; price for prompt sale, £400 cash; strongly recommended.

4.—N. DEVON.—Unopposed Light Country Retail; family reasons sole cause of sale; returns £480, increasing; profits above average; good house; rent £27; own property; price £275.

5.—LEICESTERSHIRE.—Genuine Cash Drug Stores; same hands 15 years; now called up; returns average £630; net profit £200; good house and Pharmacy; well stocked; one other Chemist; price £300 or valuation.

6.—LIVERPOOL.—Light Retail and Prescribing; no side lines; all ready money; returns under Manager £16 a week, increasing; corner double-fronted shop; good house; price £350.

7.—NORTH LONDON (Healthy Suburb).—Sound progressive Cash Business for immediate disposal through serious illness; returns £1,150; net profit fully £500; fine modern Pharmacy; excellent main road position; low rent; good house; price £750 or offer.

CHRISTMAS STOCKTAKING.

WE are open to undertake one or two LARGE Stocks immediately after Christmas, being free then owing to a change of date; also we have only two or three free weeks this side of Christmas, so engagements should be fixed up early; terms on application.

MESSRS.

TOPLIS & HARDING

AUCTIONEERS,

Established 1790

66 Cannon St., London, E.C.4

beg to announce that their next
SALE by AUCTION of

DYES & DRY SALTERY

generally will take place at the

LONDON COMMERCIAL SALE ROOMS,

On WEDNESDAY, OCTOBER 3, 1917,

At 2 o'clock precisely.

When there will be offered, partly
Without Reserve, a quantity of

Aniline Dyes & Colours.

Immediate Cutch.

Aniline Oil & Salts.

Liquid & Dry Egg Yolk.

Quercitron Extract. Cochineal.

Hematine Paste.

8000 lbs. Anhydrous Lanoline, etc.

Catalogues may be obtained and Samples drawn 10 days prior to Sale after application to the Auctioneers' Offices, 66, Cannon Street, London, E.C.4.

NOTE.—Saleable Stocks of any description may be included in Messrs. Toplis & Harding's Monthly Sales.

BATTAM & HEYWOOD

(ESTD. 1837)

CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPART STOCKTAKERS.

Balance Sheets Prepared. Books Audited.

3 DAVIES STREET, BERKELEY SQUARE, W.

Telephone: GERRARD 2169.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.

— The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BRAUNTON, N. DEVON.—Light Retail and Dispensing; both N.H.I.; returns £40 per month, increasing; profits above average; can be greatly improved; no opposition; one Chemist; good house, rent £27; vendor's own property; could be bought; well stocked; low price will be accepted for quick sale. Barlow, Chemist, Braunton, N. Devon.

BIRMINGHAM.—Old-established Family and Mixed; commanding corner; very populous, working-class cash trade; opening Insurance and Dentistry; proprietor retiring; valuation, but part purchase may remain. "Salus" (143/29), Office of this Paper.

GR. YARMOUTH.—Genuine old-established Business; good position; low rent on lease; well stocked; good trade all the year round; returns £2,000, with every prospect of considerable increase; price £1,400; easy terms to one taking early control. Shearman, 156 King Street.

FIRST-CLASS Dispensing and Light Retail; old-established; in country town, N.W. county; excellent agricultural and residential district; best position, good appearance, good prices, schools, Photography; scope for Optics and Extraction; one other in town; suit middle-aged man rejected, discharged, or lady; owner called up; valuation £480. Apply 95/40, Office of this Paper.

FIRST-CLASS Dispensing and Family Retail Business for Disposal in one of the best residential parts of the West End; returns average over £2,100; excellent profits; very commanding position; ample scope for increase in energetic hands; price £1,100, or near offer entertained; unique opportunity. "Bonafide" (98/24), Office of this Paper.

FOR Disposal, a good-class Suburban Business; established 25 years; easily worked and profitable; any reasonable sum considered; part could remain; owner taking an appointment; a bargain. Apply to "B." (143/35), Office of this Paper.

FOR Sale, as a going concern, well-established Chemist's Business in Blackpool; present takings average about £1,000 per annum. Apply John Potter, Incorporated Accountant, 34 Birley Street, Blackpool, or Parkin S. Booth Accountant to the Association of Manufacturing Chemists, 35/37 Exchange Chambers, 2 Bixteth Street, Liverpool, or 32 Kimberley House, Holborn Viaduct, London, E.C.

TO LET.

K NAPHILL, WOKING.—To be Let, a commanding double-fronted Shop with four living rooms; for many years in occupation as Chemist and Druggist Shop, now closed on account of war; rent only £50 and taxes. Particulars, apply S. Atherton & Co., The Broadway, Woking.

S HOP, d.f. Chemist's; completely and well-fitted; established over 20 years; just off Clapton Common, N.; chance to pick up good business cheap; rent £60. Owners, 160 Stoke Newington Road, N.

PARTNERSHIPS.

A GENTLEMAN requires Working Partnership or Share in a Drug Stores, Chemists', or Wholesale Druggists; good business tact, organiser; would consider Druggists' Shippers, or to control any one special department. Apply 95/26, Office of this Paper.

CHEMIST and Sight-Testing Optician, 16 years' experience as proprietor, with splendid Optical experience, is open to join a firm of good Chemists with branches, where scope will be offered for building up new Optical departments, on basis of taking over his very profitable business by amalgamation, taking share in the firm, with Optical management. Holder of the double diploma in Optics and Sight Testing. Apply, in confidence, to "South" (96/35), Office of this Paper.

MATERIA MEDICA FARM, the only established one in Ireland; owner desires assistance as active partner of qualified lady or gentleman, develop Distillation, Essential Oils, etc.; lady pupils taught; business very interesting and promising. Ball, Ball's Grove, Drogheda.

AGENCIES.

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EGYPT.—London Merchant with office in Cairo, well connected in the trade, and representing already leading English Manufacturers for Tooth Pastes, also for Medicated and Toilet Soaps, is willing to get in touch with Manufacturers of Pharmaceutical Products, Druggists' Sundries, Chemicals, etc., with a view of representation now or after the war for Egypt and the Near East; best London references. Apply 94/21, Office of this Paper.

SPAIN.—Spanish Pharmacist, speaking English and French, with London and Paris Pharmacy experience, travelling experience in Spain, calling on Doctors and Chemists, having already introduced, in Spain, English goods with very good success, is open to represent first-class firm; best references. Apply 93/12, Office of this Paper.

GENTLEMAN desires Agencies for first-class houses; good connection with Wholesale-Retail Chemists and Druggists; references. Apply 86/13, Office of this Paper.

LARGE London firm requires at once good side lines for their Travellers, who are calling upon Chemists, Hairdressers, and large Drapers throughout the country with Toilet Preparations. Write "Gray," c/o Gould's, 54 New Oxford Street, W.C. 1.

FOR SALE.

FOR Sale, two 6-gallon Show Carboys; Optical Testing Case, good condition; 164 lenses in all; bargain. Apply 93/16, Office of this Paper.

RECEIPT-PRINTING National Cash Register for Sale (second-hand); great bargain for immediate purchaser. Write at once to F. Burgess, 72 Durham Road, East Finchley, N. 2.

TWO Gardeners Rapid Sifters and Mixers, in perfect condition; 15 lb. size, £8; 60 lb. size, £18. Apply 141/36, Office of this Paper.

3 DOZ. 1s. Shaving Sticks, 10s.; 1 lb. Lithia Cit., 6s.; 4 oz. 5 gr. B.P. Phenazone Tabs., 11s.; 1 lb. Bismuth Trisulfite, 10s.; 5 oz. Phenazone Pulv., 17s.; 1 lb. Menthol, 14s.; 8 oz. Salol, 5s.; 10 lb. Arrowroot Opt., 6s. 6d.; 6 oz. Soda Iodide, 5s.; 1 ½ lb. Soda Cit., 4s. 10d.; 2 lb. Acid Cit. Crystals, 6s.; 2 lb. Iron Lactate, 3s.; 1 lb. Pot. Permangan., 15s.; 2 lb. Calcii Hypophosphite, 7s.; 1 gall. Ol. Morhuate, 16s.; 4 oz. Iodin Resub., 3s. 10d.; 28 lb. Dextrine, 14s.; 6 lb. Acid Tart. Pulv., 18s.; 2 lb. Ol. Pulegii, 10s.; 2 lb. Ol. Cejep., 8s. B., Chemist, 97 Boro' High Street, S.E. 1.

LB. Coumarin, 35s.; 2 lb. Sandalwood "Allens," E.I., 100s.; 2 oz. Patchouly, 7s. Apply 98/20, Office of this Paper.

4 GROSS Second-hand Bottles, all sizes, for Sale; also Second-hand Soda Fountain. Apply Haynes, Coffin & Co., 72 Southampton Row, W.C.

7 OZ. Artificial Musk, 100%, 3s. oz.; 5 Winchesters Inf. Senegæ Conc. i. to vii., 2s. 10d. lb.; 4 oz. Guaiacol Carb., 9s. oz.; 1 oz. Codeine, 21s. per oz.; 7 Winchesters Lid. Ferri. Perchlor. Fort., 5d. lb.; 3 lb. Lin. Aconite Meth., 2s. 8d. lb. Whole or part; carriage paid in London and district. John Noble, 17 Owens Row, E.C. 1.

APPRENTICESHIPS.

APPRENTICE or Improver, an opening for, either gentleman or lady. For particulars apply to Mr. Thresh, Pharmacist, Buxton.

BUSINESSES WANTED.

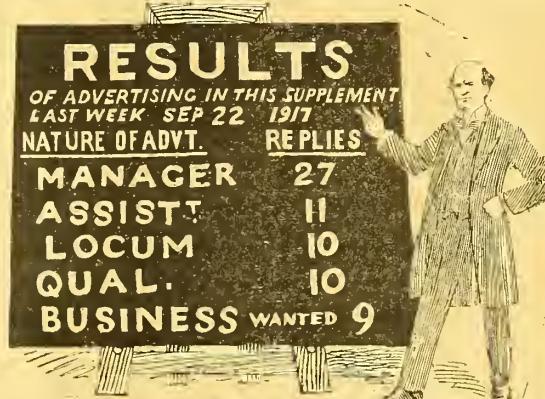
BUSINESS wanted within easy distance of the Lancashire Coast; country market town preferred; willing to entertain suitable business which may not be for immediate disposal; cash at command. Apply 97/19, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

CHELTONHAM.—Experienced Assistant required for high-class Dispensing business. Please send full particulars to Beetham & Clark, Promenade, Cheltenham.

ERITH-ON-THAMES.—Assistant lady or gentleman (outdoors) for brisk Light Retail and Dispensing; hours of business: Monday, Tuesday, Wednesday 8.30 to 7.30. Thursday 8.30 to 1, Friday 8.30 to 8, Saturday 8.30 to 9, no Sunday duty. In reply please give full particulars of experience, salary required, etc., enclosing photo (to be returned), Walter Reeson, 80 High Street, Erith, Kent.

KENT.—Good vacancy for capable unqualified Assistant who has been discharged from the Army; permanency; progressive salary; Dispensing and Counter experience essential. "E." (95/326), Office of this Paper.

KILLMARSH (DERBYSHIRE).—Qualified Manager wanted, with a view to purchase, but not essential; Light Retail, small N.H.I. Dispensing, and good sound country business, with nice Shop and House attached, in the best position in a growing neighbourhood. Apply H. G. Fletcher, Chemist, Eckington.

LANCASHIRE.—Permanent and progressive berth open for steady and reliable unqualified Assistant; preference given to one who has had some experience in Optics (fitting particularly). State age, whether rejected or discharged from Army, and when at liberty, "P. D." (95/321), Office of this paper.

LONDON.—An exceptional opening for qualified man (or lady) in working-class business; liberal salary to suitable applicant; good references required. All particulars to 98/26, Office of this Paper.

LONDON SUBURB.—Wanted for beginning of October, an experienced and reliable Assistant for N.H.I. Dispensing and cash Cash Retail; must be well recommended. Apply to Davy, Chemist, Edmonton, N.

LONDON, N.—Lady Assistant required, Hall qualification (outdoors), for Dispensing and Light Retail. Frost, Pharmacist, 9 High Street, Hornsey, N.

LONDON, N.—Elderly qualified Chemist required; comfortable permanency. State age, salary required, and when at liberty, "E. R." (95/325), Office of this Paper.

LONDON, N.—Qualified Manager required for Light Retail and N.H.I. Dispensing business; splendid opportunity for capable man willing to take his coat off and apply himself energetically; share of the profits offered. State age, whether married, and when at liberty, "H. D." (95/32), Office of this Paper.

LONDON, N.—Manager, qualified, wanted; good house; good chance to advance; Assistant kept. Apply or write to Meacher, 61 Strand Green Road, London, N.

LONDON, N.W.—Manager, qualified, for Cash business (ineligible); easy hours; no Sunday duty; no Optics; with or without rooms; good salary to active, suitable man. Also Assistant, outdoors, lady or gentleman, for Dispensing business in West End, with some knowledge of Bookkeeping. Apply, stating age, salary required, to 144/71, Office of this Paper.

LONDON, S.W.—Assistant wanted for high-class Dispensing business. Apply, giving particulars of experience, salary, etc., to W. Hill, c/o J. B. Barnes & Son, 205 Knightsbridge, S.W.

LONDON, S.W.—Assistant wanted, with good all-round experience, not eligible for the Army. Please state age, experience, references, salary required, and when disengaged (outdoors), to "P. O. A." 189 Wandsworth Road, S.W.

LONDON, S.W.—Assistant for Counter and Dispensing; no N.H.I.; lady or gentleman with experience immediately. Full particulars to 144/68, Office of this Paper.

LONDON, S.W.—Cooper, Son & Co., Ltd., require a qualified Dispenser. Apply to Mr. E. J. Jenkins, 24 Sloane Street.

LONDON, W.—Qualified Assistant required as Branch Manager: lady or gentleman; good Dispensing business. Whitmore Baker, 239 Elgin Avenue, Maida Vale, W.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitabilities.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

LONDON, W.—Thoroughly experienced and reliable unqualified Assistant wanted for high-class Retail and Dispensing business; outdoors. Please state usual particulars, salary required, etc., to Manager, 1 Baron's Court Road, West Kensington, W. 14.

MANCHESTER.—Wanted, reliable Assistant for small branch; unqualified; salary £2 5s.; outdoors; give full particulars in first letter. Manager, c/o C. Harrison & Sons, 26 Chapel Street, Salford, Manchester.

NEAR BIRMINGHAM.—Young lady required for Chemist's establishment; must have had some experience at the Counter and be a good Dispenser; comfortable permanency. Please state when at liberty and salary required to 95/324, Office of this Paper.

NEWCASTLE-ON-TYNE.—Wanted, qualified Assistant (ineligible or lady) accustomed to high-class Retail and Dispensing; indoor or outdoor. Apply, giving full particulars as to age, experience, and salary, to Brady & Martin, Ltd., 29 Mosley Street, Newcastle-on-Tyne.

READING.—Assistant (lady) with Dispensing and Counter experience; Light Retail and N.H.I.; no Sunday duty. State height and salary required (outdoors) to Cooper, 107 London Street, Reading.

SITTINGBOURNE.—Lady Assistant for Light Retail and Dispensing; with or without Hall qualification; outdoors; short hours. J. E. French, M.P.S., F.I.O., 128 High Street, Sittingbourne.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTHSEA.—Unqualified Assistant required; good experience Dispensing, Counter, Photographic; ineligible. State salary required (indoors), references, etc., first letter, to Cruse & Co., Ltd., The Strand, Southsea.

SOUTHSEA.—Assistant wanted; accustomed to good-class Dispensing business; lady or gentleman. Apply, giving full particulars, to T. A. White, Elm Grove Pharmacy, Southsea.

TAUNTON.—Wanted, reliable, unqualified Assistant; outdoors; easy hours. Apply, with full particulars, to Gregory & Wrenn, Chemists, Taunton.

WEST RIDING (YORKS).—Qualified Manager required for business situate in a suburb of Leeds; good house attached; good agreement with liberal interest in the profits offered. "Leeds" (95/322), Office of this Paper.

WESTON-SUPER-MARE.—Assistant (outdoors) for Light Retail and Dispensing. Please give full particulars, stating salary required, to Ernest Widgery, Pharmaceutical Chemist.

YORKS (WEST RIDING).—Good opening presents itself for a smart, capable, unqualified male Assistant; one who has been rejected or is above military age preferred. "H. B." (95/323), Office of this Paper.

YORKS, WEST RIDING.—Young lady Assistant required for a vacancy in a progressive Pharmacy; state age, salary required, and when at liberty; applicants must have had good Dispensing experience and be useful at the Counter. "W. C. M." (95/320), Office of this Paper.

A FIRM of Retail Chemists in Yorkshire require qualified Superintendent Director; give particulars of experience and salary required; an excellent opportunity to right man. Apply 96/31, Office of this Paper.

A LSOP & QUILLER, 137 Sloane Street, S.W. 1, require an Assistant lady or gentleman with experience in Chemist's business; not necessarily qualified.

A SSISTANT; lady or gentleman; well up in Dispensing first-class business; two Assistants kept; reside on premises or outdoors. Apply, stating qualification, if any, age, experience, salary required, Sharman, Chemist, Northwood.

A SSISTANT; outdoors; good experience Dispensing, Prescribing, and considerable Counter. Full particulars, salary, etc., Frost, Chemist, 143 High Street, Sutton, Surrey.

A SSISTANT wanted October 1; easy hours, no Sunday or after one duty; outdoors; pleasant town. Please give particulars of age, and height and salary required, to Elliott, Chemist, Evesham.

CAPABLE Junior Assistant, lady or gentleman, for good-class Retail and Dispensing business. Apply W. Brown, 1 King's College Road, London, N.W.

LADY Dispenser to Medical man, Hall or Minor; work not heavy; Bookkeeping not required; comfortable rooms with board obtainable on reasonable terms. State salary, "B." (96/12), Office of this Paper.

LADY; Dispensing department, and assist occasionally at Counter; hours 9 to 7 p.m., Thursdays 1 p.m., Saturdays 8.30 p.m.; tea provided; good experience to be gained. State salary, height, and where trained, enclose photo if possible, G. T. W. Newsholme, Ltd., 27 High Street, Sheffield.

LADY Assistant, with good General experience and used to Counter work, capable of taking charge occasionally, required shortly for Cash business in London suburb (pleasant district); easy hours and good remuneration to competent lady; outdoors. Kindly give usual particulars to 89/40. Office of this Paper.

LADY Dispenser wanted as locum for a fortnight or three weeks; short hours; no Saturday or Sunday work; Thursday evening free; previous experience in Institution necessary; salary £2 per week. Write Easteru Dispensary, Leman Street, Whitechapel.

LOCUM; qualified (elderly might do); good-class Retail; from October 1 for about 14 days. References and full particulars, Thorp, Chemist, Bognor.

LOCUM immediately for about a week; must be thoroughly competent and reliable Dispenser. State terms, age, and references, and when disengaged, Foster, Chemist, Easton, Bristol.

MANAGER (qualified) wanted for high-class Departmental Store, gentlemanly man, to take full charge of Drug Department; accustomed to modern trade; good Salesman, keen Buyer; short hours, no Sunday duties. Full particulars to Cater, Stoffell & Fortt, Ltd., Bath.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

PART-TIME Assistant wanted for West-End business; work very light. Full particulars to 95/33, Office of this Paper.

QUALIFIED Manager wanted, with a view to purchase the business of the late Mr. W. Dodge, 142 Love Lane, Heaton Norris, Stockport. Apply Executor, Mr. W. E. Sugden, 19 Diekinson Street, Manchester, or James Woolley, Sons & Co., Ltd., Manchester.

QUALIFIED Assistant; good all-round man; outdoors; no Sunday duty; hours 8.30, and close 8 p.m.; no night duty; twelve miles from London Bridge; state salary, references, age. Apply 99/2, Office of this Paper.

RELIABLE Assistant (outdoors) for good-class country business; easy hours; light N.H.L. Dispensing, Retail, and Photography. Apply, with full particulars and salary required, S. L. Gray, Chemist, Saxmundham, Suffolk.

REQUIRED, lady Dispenser; Minor qualifications; hours of work approximately 8.45 to 6 o'clock, 1 o'clock Saturdays, no Sunday duty. Apply, stating full particulars of past experience and salary required, to L. J., Army and Navy Stores, 105 Victoria Street, S.W. 1.

REYNOLDS & BRANSON, LTD. (13 Briggate, Leeds), require a Junior of experience for Retail and Dispensing. Apply as above, giving details as to age, experience, etc., and salary required.

SURGICAL Instrument Business Assistant for front shop. Address, stating age, wages expected, and duties accustomed to, Box "Surgical," Lee & Nightingale, Liverpool.

THE LORD DERBY WAR HOSPITAL, WARRINGTON.—Wanted, Temporary Dispenser (female); must be fully qualified; salary 36s. per week. Applications, stating age, experience, qualifications, and references, must be sent to the Administrator at once.

UNQUALIFIED male or female Assistant for quick Cash trade. Apply with usual particulars, to Mudays, Cash Chemists, 25 Camberwell Green, S.E. 5.

WANTED, Assistant for Light Retail and Dispensing; exceptionally light work and easy hours; suit elderly man; outdoors; usual particulars. Fredk. Harvey, Knaphill, Surrey.

WANTED, a man to make himself generally useful in Dispensary Laboratory; one with previous experience of Drug trade preferred, but not essential. Apply, stating wages required, to "Pharmacist," West London Hospital, Hammersmith Road, W. 6.

WANTED at once, qualified Manager for country business; suit elderly man; reasonable hours; comfortable berth. Apply, stating wages, references, etc., to M., Pharmacy House, Askern, near Doncaster.

WANTED, unqualified Assistant (outdoors, ineligible) for Dispensing and Counter; accurate Dispenser or part-time Dispenser; morning and evening, about four hours daily; lady or gentleman. Apply, stating experience, salary, and when at liberty, to W. H. Walker, Chemist, Willenhall, Staffs.

WANTED at once, gentleman Assistant (non-eligible) or lady accustomed to Dispensing and Counter. Apply, with fullest particulars, to Pelham C. Young, Pharmacist, 219 High Street, Hounslow. Telephone, 153 Hounslow.

WANTED, young lady for Counter and Postal Department. Apply Haynes, Coffin & Co., 72 Southampton Row, W.C.

WORKS Assistant, ineligible for military service, to make B.P. preparations and proprietaries; easy hours; Saturday half-holiday. State experience, age, and salary required to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

YOUNG lady wanted to put up Stock and assist Counter, etc. Apply, stating previous experience (if any), to W. J. Boyes, 61 Balham Hill, S.W.

YOUNG lady, with some Counter and General experience, or a gentleman ineligible for or discharged from military service; outdoors. Apply, with usual particulars as to age, salary, references, to T. J. Thomas, Chemist, Faversham.

YOUNG lady for Typewriting, Bookkeeping, and to help with Stock. Apply, stating experience, and wages required, 97/300, Office of this Paper.

WHOLESALE.

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MANCHESTER.—Drug Traveller wanted; state age, experience, and salary suggested. Apply 143/21, Office of this Paper.

A CITY Export Office has an opening for an Assistant Order Clerk in their Buying Department; a knowledge of Drugs and Chemists' Sundries absolutely essential; permanency if satisfactory. Write in first instance, stating age, experience, and salary expected, to 98/29, Office of this Paper.

CAPABLE Laboratory Foreman to take charge of the manufacture of Pharmaceutical Preparations and Galenicals; good prospects to the right man. Apply, stating full particulars, etc., to 144/651, Office of this Paper.

COSTING Clerk required in Manufacturing Chemists; one with knowledge of the trade. Apply, stating full particulars, to 144/650, Office of this Paper.

DROGISTS' SUNDRIES (permanency).—Assistant of either sex, with some knowledge of Sundries and Instruments, experienced in the Wholesale preferred, required by London Export Druggists. Apply by letter in first instance, stating salary required, to "Globe" (98/26), Office of this Paper.

DRUG Stock Floor hand, experienced, required at once; good wages. Apply Burgoine, Burbidges & Co., Ltd., East Ham.

EXPERIENCED practical Pharmacist for manufacturing high-class Therapeutical speciality. State age, experience, and salary required to "Cantab" (142/65), Office of this Paper.

PILL Maker wanted. State age, experience, and salary required, Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

PRACTICAL man for Toilet and Perfumery Department: must be well up in the manufacture of Vanishing and Toilet Creams, Perfumes, Powders, and able to buy. Write, stating experience, age, and wages required, 97/30, Office of this Paper.

REQUIRED by London Wholesale Druggist, a Warehouse Assistant (male or female) accustomed to checking orders and parcels-post packing; state experience and wages required. Apply 96/18, Office of this Paper.

STOCKKEEPER required; one used to ordering large stock of Patent Medicines, Sundries, Surgical Dressings, and Sundries; would suit a man in Wholesale Druggist Sundries trade; ineligible or discharged man; good wages and hours. Apply, with all particulars of Stockkeeper's experience, to Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

TABLET DEPARTMENT.—Very large firm of Manufacturing Chemists in the Midlands require a Foreman in the Compressing Section; must possess sound experience in the working of Tablet Machinery. Apply, with full particulars, in confidence, to Chemist, Box 417, Smiths' Advertising Agency, Ltd., 100 Fleet Street, E.C. 4.

TRAVELLER required, London, with good connection amongst Chemists, Stores, Hospitals, etc.; kindly state full particulars as to age, experience, and salary required. Apply 143/34, Office of this Paper.

TRAVELLER required to call on Chemists, etc., in London district; good prospects; connection given. Apply, with full particulars, to 144/651, Office of this Paper.

WANTED, capable Manager of Druggist Sales Department, Wholesale; must be willing to interview and travel. Write, with full particulars in the first instance, giving career, terms, etc., to A. T. D., c/o G. Street & Co., 8 Scler Street, Lincoln's Inn, W.C. 2.

WANTED, smart Traveller with good connection, to take up new remedy as a side show. Apply Calderwood, C.P.S. Co., 28 Victoria Street, S.W.

WAREHOUSEMAN required, with experience of packing and despatching fine and heavy Chemicals, Stockkeeping, etc.; good wages, and permanency for suitable man over military age; London district. Particulars to 144/62, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

ADVERTISER, finishing season engagement, shortly open for locum work; unregistered; discharged; fully trained. "Chemicus," Luda House, High Street, Skegness.

ADVERTISER, qualified, 32, ineligible for military service, seeks situation in either Retail or Wholesale; Yorkshire preferred; skilled in all branches of advertising; good organiser, and used to controlling staff; has had great experience in the production and marketing of specialties; capable of managing and increasing big business; no offer under £260 per annum, plus commission, will be considered. Apply "F. E. B." (97/22), Office of this Paper.

ADVERTISER, 35, tall, gentlemanly, ability and integrity unquestioned, requires about six hours daily; seaside, country district, or London suburb; long and varied Retail experience; exempt. Oakley, 18 Canonbury Square, N. 1.

A Assistant; part-time; easy distance of East Ham; please state requirements. Apply 97/15, Office of this Paper.

A Dispenser to Doctor or Chemist; young lady, seventeen, seeks re-engagement; sixteen months' experience. Apply 96/15.

EXEMPTION.

A SSISTANT; age 30; unqualified; ineligible; 10 years' experience; Manchester or Liverpool district preferred. Apply 97/23, Office of this Paper.

A SSISTANT; tall, smart; well experienced and reliable; disengaged. "Unqualified," 2 Penfold Road, Broadwater, Worthing.

A SSISTANT; age 48; active; all-round experience. Druggist, 41 St. Paul's Road, Highbury, N.

B IRMINGHAM.—Lady, 24 (6 years' experience), desires change; accustomed to Counter work, N.H.I., and light Dispensing, Window-dressing, and usual duties. Apply "Rhei" (95/22), Office of this Paper.

B RIGHTON OR SOUTH COAST.—Lady Dispenser; part-time situation with Doctor or Chemist; good experience and references. Blake, 164 Tunstall Hill, S.W. 2. Disengaged October 5.

B RISTOL.—Qualified lady Assistant requires part-time work; experienced. Griffiths, 38 Alfred Hill.

C APABLE, experienced Chemist seeks Managership; Yorks preferred; over military age; commencing salary £4 10s. per week. State usual particulars, 96/7, Office of this Paper.

D ISENGAGED unqualified Manager or Assistant; 37; 24 years' experience Dispensing, Counter; good references; immediate. "Rhei," 2 Seymour Street, Hollinwood, Oldham.

D ISPENSER (Hall certificate), Hospital experience, desires post; excellent references. Miss K. C. Sykes, "Bryntirion," West Runton, Norfolk.

E LDERLY, qualified Assistant; Dispenser; permanency; single; active; disengaged; light duties; moderate hours. Apply 96/27, Office of this Paper.

G ENTLEMAN (elderly, qualified) desires management; light business, or where Assistant kept; town or country; good references. "Tabloid," 7 Avenue Road, Wallington, Surrey.

L ADY Dispenser; Hall; disengaged; Hospital or Chemist. Genesta, Esher Road, Walton-on-Thames.

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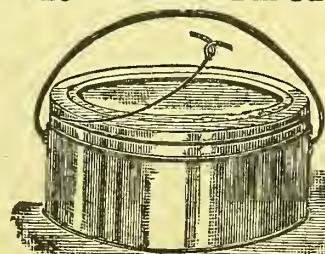
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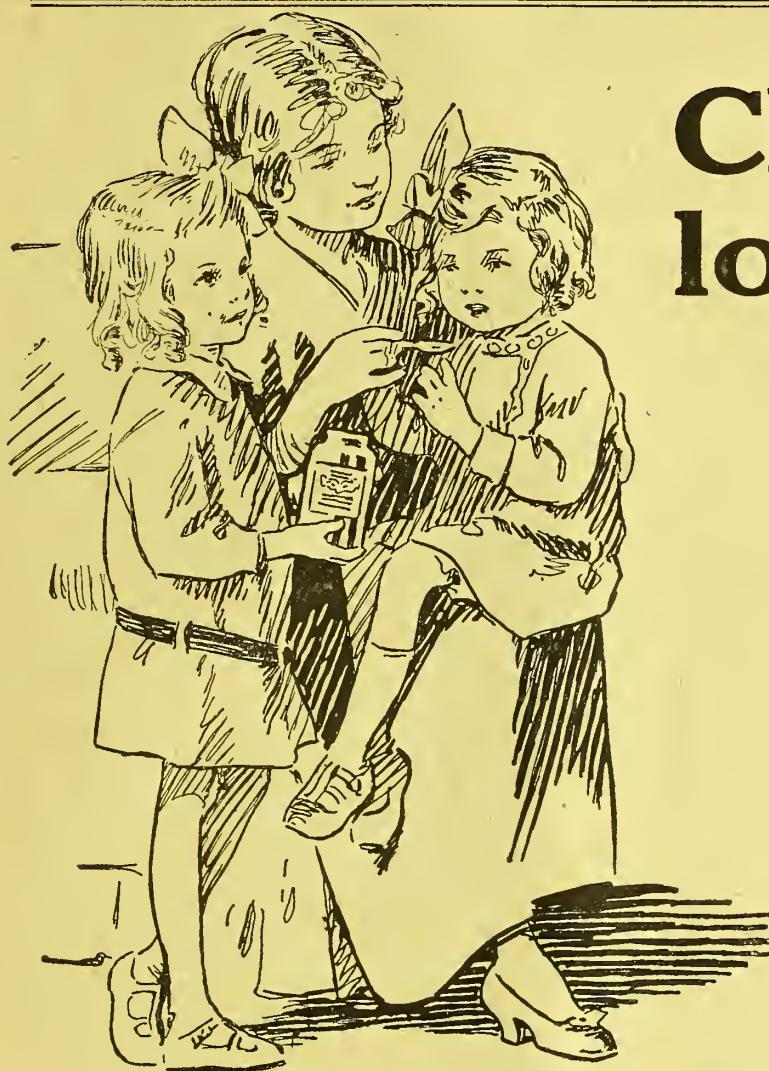
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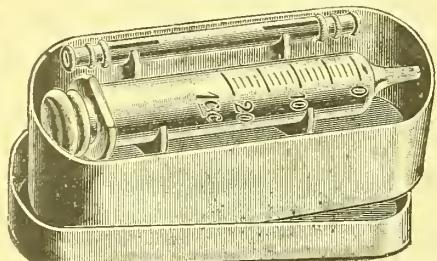
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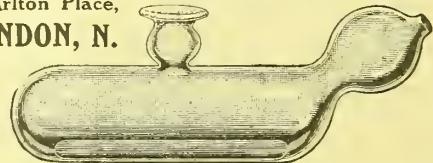
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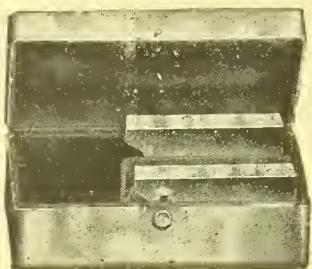


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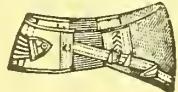
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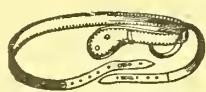
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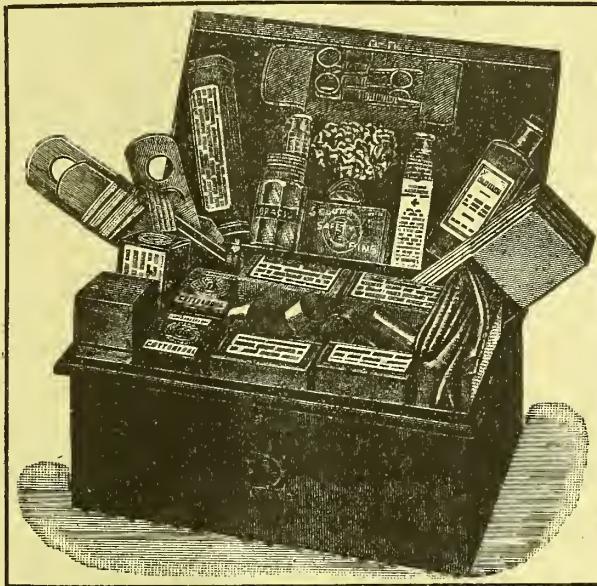
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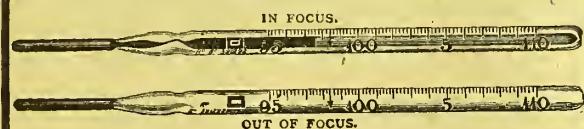
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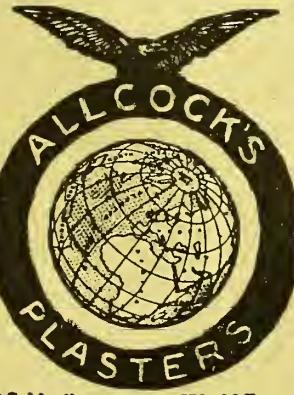
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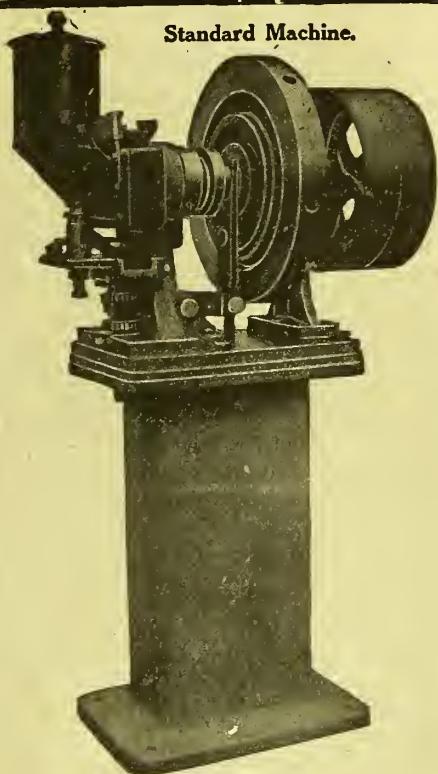
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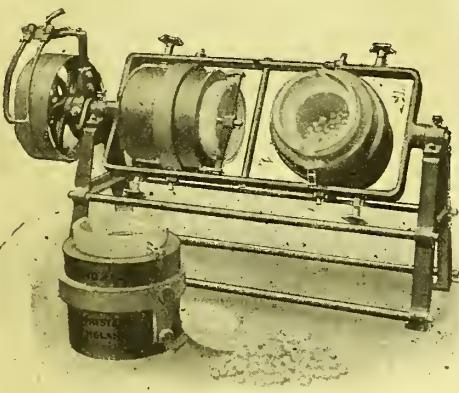
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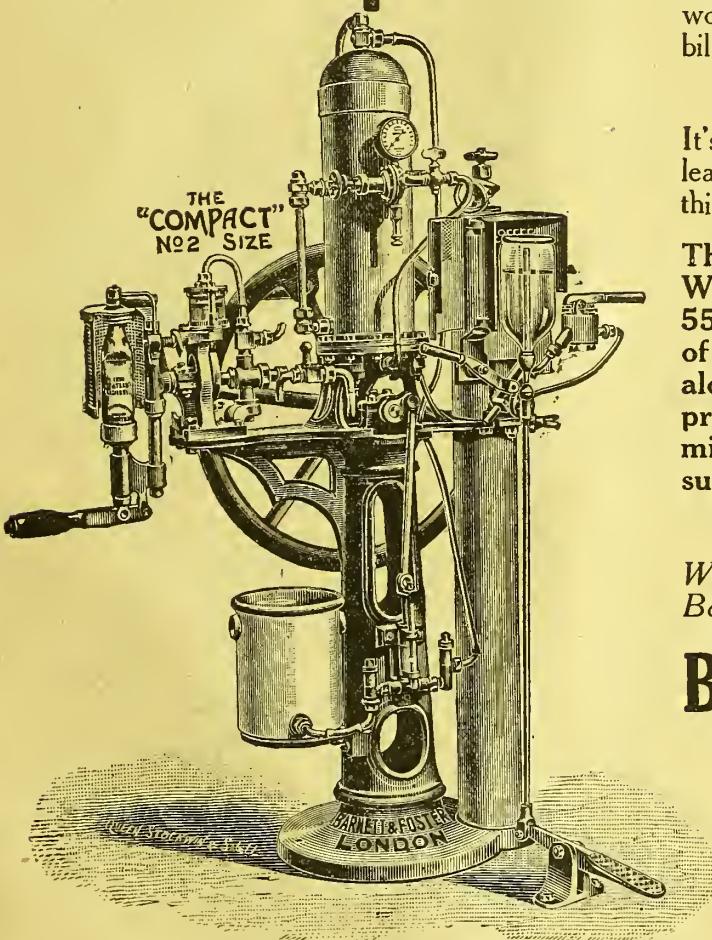
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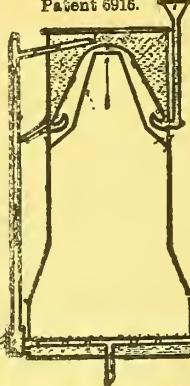
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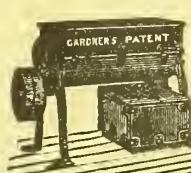
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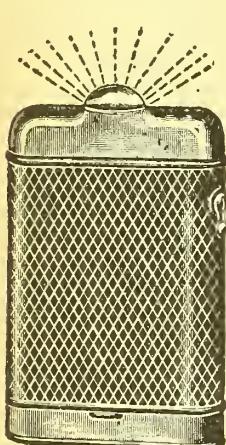
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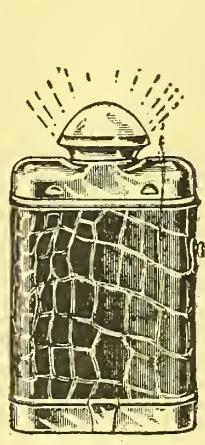
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